

UNITED STATES DEPARTMENT OF LABOR

W. N. DOAK, Secretary

BUREAU OF LABOR STATISTICS

CHARLES E. BALDWIN, Acting Commissioner

TREND OF EMPLOYMENT

SEPTEMBER, 1932



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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1932

TREND OF EMPLOYMENT

Summary for September, 1932

EMPLOYMENT increased 3.5 per cent in September, 1932, as compared with August, 1932, and pay-roll totals increased 2.5 per cent. These figures are based on the pay rolls ending nearest the 15th of the month.

The industrial groups surveyed, the number of establishments reporting in each group, the number of employees covered, and the pay roll for one week, for both August and September, 1932, together with the per cents of change in September are shown in the following tabulation:

SUMMARY OF EMPLOYMENT AND EARNINGS, AUGUST AND SEPTEMBER, 1932

Industrial group	Estab-lish-ments	Employment		Per cent of change	Earnings in 1 week		Per cent of change
		August, 1932	Septem-ber, 1932		August, 1932	Septem-ber, 1932	
Manufacturing	18,165	2,526,932	2,620,867	+4.5	\$43,022,065	\$44,626,055	+3.8
Coal mining	1,296	214,072	230,657	+7.7	3,366,182	3,837,282	+14.0
Anthracite.....	160	67,212	76,361	+13.6	1,644,300	1,865,237	+13.6
Bituminous.....	1,136	146,860	154,296	+5.1	1,721,882	1,969,045	+14.4
Metalliferous mining	256	18,433	18,840	+2.2	336,313	346,328	+3.0
Quarrying and nonmetallie mining	642	23,865	24,436	+2.4	373,811	383,817	+2.8
Crude petroleum producing	274	21,636	21,190	-2.1	609,542	594,938	-2.4
Public utilities	12,532	631,219	626,116	-0.8	17,630,791	17,083,678	-3.1
Telephone and telegraph.....	8,270	276,994	274,220	-1.0	7,621,039	7,217,273	-4.0
Power and light.....	3,563	218,814	217,549	-0.6	6,457,333	6,288,599	-2.6
Electric-railroad and motor-bus operation and maintenance.....	499	135,411	134,347	-0.8	3,652,419	3,577,806	-2.0
Trade	16,853	381,481	404,537	+6.1	8,213,790	8,989,592	+9.5
Wholesale.....	2,720	69,957	70,609	+0.9	1,899,276	1,897,787	-0.1
Retail.....	14,233	311,534	333,978	+7.2	6,314,514	6,711,735	+6.3
Hotels	2,590	139,518	138,618	-0.7	1,877,132	1,862,217	-0.8
Canning and preserving	941	70,845	89,706	+26.6	654,822	956,747	+46.6
Laundries	1,023	61,535	61,315	-0.4	372,640	367,376	-1.4
Dyeing and cleaning	379	11,829	12,382	+4.7	210,389	228,262	+8.5
Building construction	10,468	87,293	85,392	-2.2	2,230,326	2,166,216	-2.9
Total	65,259	4,188,668	4,334,698	+3.5	79,677,797	81,652,352	+2.5

¹ Weighted per cent of change for the combined 89 manufacturing industries, wherein the proper allowance is made for the relative importance of the several industries so that the figures represent all establishments of the country in the 89 industries surveyed; the remaining per cents of change, including total, are unweighted.

² The amount of pay roll given represents cash payments only; the additional value of board, room, and tips can not be computed.

Data are not yet available concerning railroad employment for September, 1932. (See section "Class I steam railroads" for latest figures reported.)

Per capita weekly earnings in September, 1932, for each of the 16 industrial groups included in the bureau's monthly trend-of-employment survey, together with the per cents of change in September, 1932, as compared with August, 1932, and September, 1931, are given

in the table following. These per capita weekly earnings must not be confused with full-time weekly rates of wages; they are per capita weekly earnings computed by dividing the total amount of pay roll for the week by the total number of employees (part-time as well as full-time workers).

PER CAPITA WEEKLY EARNINGS IN 16 INDUSTRIAL GROUPS IN SEPTEMBER, 1932, AND COMPARISON WITH AUGUST, 1932, AND SEPTEMBER, 1931

Industrial group	Per capita weekly earnings in September, 1932	Per cent of change September, 1932, compared with—	
		August, 1932	September, 1931
Manufacturing.....	\$17.03	+0.5	-18.6
Coal mining:			
Anthracite.....	24.47	+ ⁽¹⁾	+3.8
Bituminous.....	12.76	+8.9	-27.4
Metalliferous mining.....	18.38	+7	-19.6
Quarrying and nonmetallic mining.....	15.71	+3	-24.3
Crude petroleum producing.....	28.08	-3	-17.3
Public utilities:			
Telephone and telegraph.....	26.32	-3.1	-9.5
Power and light.....	23.91	-2.0	-7.4
Electric-railroad and motor-bus operation and maintenance.....	26.63	-1.3	-13.4
Trade:			
Wholesale.....	26.88	-1.0	-13.4
Retail.....	20.10	-8	-13.9
Hotels (cash payments only) ²	13.43	-1	-15.0
Canning and preserving.....	10.67	-9.4	-16.6
Laundries.....	15.61	-1.3	-15.1
Dyeing and cleaning.....	18.43	+3.6	-15.6
Building construction.....	25.37	-7	⁽³⁾
Total.....	⁴ 18.71	⁴ -.9	⁴ -15.1

¹ Less than one-tenth of 1 per cent.

² The additional value of board, room, and tips can not be computed.

³ Data not available.

⁴ Does not include building construction.

Employment in Selected Manufacturing Industries in September, 1932

Comparison of Employment and Pay-Roll Totals in September, 1932, with August, 1932, and September, 1931

EMPLOYMENT in manufacturing industries increased 4.5 per cent in September, 1932, as compared with August, 1932, and pay-roll totals increased 5 per cent over the month interval. Comparing September, 1932, with September, 1931, decreases of 17.5 per cent in employment and 32.8 per cent in pay rolls are shown over the 12-month period.

The per cents of change in employment and pay-roll totals in September, 1932, as compared with August, 1932, are based on returns made by 18,165 establishments in 89 of the principal manufacturing industries in the United States, having in September 2,620,867 employees whose earnings in one week were \$44,626,055.

The index of employment in September, 1932, was 58.5 as compared with 56.0 in August, 1932, 55.2 in July, 1932, and 70.9 in September, 1931; the pay-roll index in September, 1932, was 38.1 as compared with 36.3 in August, 1932, 36.2 in July, 1932, and 56.7 in September, 1931. The 12-month average for 1926 equals 100.

In Table 1, which follows, are shown the number of identical establishments reporting in both August and September, 1932, in the 89 manufacturing industries, together with the total number of employees on the pay rolls of these establishments during the pay period ending nearest September 15, the amount of their weekly earnings in September, the per cents of change over the months and year intervals, and the index numbers of employment and pay roll in August, 1932.

The monthly per cents of change for each of the 89 separate industries are computed by direct comparison of the total number of employees and of the amount of weekly earnings reported in identical establishments for the two months considered. The per cents of change over the month interval in the several groups and in the total of the 89 manufacturing industries are computed from the index numbers of these groups, which are obtained by weighting the index numbers of the several industries in the groups by the number of employees or wages paid in the industries. The per cents of change over the year interval in the separate industries, in the groups, and in the totals are computed from the index numbers of employment and pay-roll totals.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN AUGUST AND SEPTEMBER, 1932, AND SEPTEMBER, 1931

Industry	Estab-lish-ments reporting in both Au-gust and Sep-tem-ber, 1932	Employment			Pay rolls			Index num-bers, Sep-tem-ber, 1932 (average, 1926=100)	
		Number on pay roll, Sep-tem-ber, 1932	Per cent of change		Amount of pay roll (1 week), Sep-tem-ber, 1932	Per cent of change		Em-ploy-ment	Pay-roll totals
			Au-gust to Sep-tem-ber, 1932	Sep-tem-ber, 1931 to Sep-tem-ber, 1932		Au-gust to Sep-tem-ber, 1932	Sep-tem-ber, 1931 to Sep-tem-ber, 1932		
Food and kindred products.	3, 119	245, 950	+3. 7	-6. 8	\$5, 295, 604	+3. 8	-19. 3	83. 6	68. 7
Slaughtering and meat packing.....	229	83, 413	+2. 5	-1. 4	1, 745, 518	+4. 4	-17. 0	87. 1	70. 8
Confectionery.....	326	39, 576	+24. 4	-7	589, 897	+29. 8	-16. 3	88. 9	69. 1
Ice cream.....	405	13, 031	-6. 2	-11. 9	347, 954	-7. 3	-25. 4	76. 5	61. 5
Flour.....	439	16, 342	+2. 6	-4. 8	349, 867	+1. 5	-17. 3	84. 6	68. 9
Baking.....	976	63, 152	-3	-11. 8	1, 438, 451	+1. 7	-20. 8	80. 4	68. 7
Sugar refining, cane.....	15	8, 226	+1. 3	-6. 5	211, 930	-6	-14. 1	77. 4	68. 5
Beet sugar.....	59	5, 404	+19. 6	+14. 0	118, 411	+20. 5	-11. 5	62. 6	49. 4
Beverages.....	342	10, 602	+2. 9	-14. 0	265, 818	-2. 8	-26. 6	77. 0	62. 0
Butter.....	328	6, 204	-1. 7	-10. 5	137, 758	-2. 5	-19. 8	101. 8	83. 4
Textiles and their products.	3, 632	613, 747	+14. 1	-9. 5	8, 430, 478	+23. 4	-24. 2	71. 1	49. 5
Cotton goods.....	694	226, 089	+17. 5	-4. 6	2, 477, 605	+30. 8	-19. 4	71. 9	50. 3
Hosiery and knit goods.....	445	101, 351	+11. 3	-9	1, 402, 346	+26. 3	-13. 5	80. 9	58. 3
Silk goods.....	247	45, 738	+13. 9	-11. 9	608, 696	+12. 3	-30. 2	61. 2	41. 3
Woolen and worsted goods.....	253	59, 013	+8. 1	-6. 5	967, 905	+11. 8	-17. 4	76. 1	56. 4
Carpets and rugs.....	30	12, 281	+2	-32. 3	173, 067	+4. 7	-51. 9	47. 2	25. 3
Dyeing and finishing tex-tiles.....	148	33, 857	+14. 2	-9. 5	663, 740	+26. 7	-21. 7	77. 8	60. 0
Clothing, men's.....	358	61, 108	+9. 7	-14. 4	920, 594	+20. 0	-27. 7	68. 3	42. 9
Shirts and collars.....	109	13, 791	+13. 3	-23. 1	138, 147	+9. 1	-41. 2	57. 4	34. 7
Clothing, women's.....	363	25, 040	+25. 1	-21. 8	475, 336	+30. 7	-38. 2	66. 8	45. 5
Millinery.....	128	9, 686	+21. 3	-4. 9	139, 057	+37. 7	-13. 0	75. 7	59. 4
Corsets and allied gar-ments.....	32	5, 403	+3. 9	-8. 5	76, 043	+14. 8	-15. 8	96. 2	70. 7
Cotton small wares.....	114	8, 814	+6. 5	-17. 0	133, 596	+19. 9	-28. 4	73. 0	53. 1
Hats, fur-felt.....	38	6, 146	+9. 3	-13. 3	141, 244	+29. 5	-17. 5	74. 4	57. 0
Men's furnishings.....	73	5, 430	+30. 1	-14. 7	63, 052	+44. 8	-37. 9	60. 2	37. 7

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN AUGUST AND SEPTEMBER, 1932, AND SEPTEMBER, 1931—Continued

Industry	Estab-lishments reporting in both August and Sep-tember, 1932	Employment			Pay rolls			Index num-bers, Sep-tember, 1932 (average, 1926=100)	
		Number on pay roll, Sep-tember, 1932	Per cent of change		Amount of pay roll (1 week), Sep-tember, 1932	Per cent of change		Em-ploy-ment	Pay-roll totals
			Aug-ust to Sep-tember, 1932	Sep-tember, 1931 to Sep-tember, 1932		Aug-ust to Sep-tember, 1932	Sep-tember, 1931 to Sep-tember, 1932		
Iron and steel and their products, not including machinery	1,399	288,369	+2.0	-22.9	\$3,340,955	+4.8	-45.2	51.8	24.2
Iron and steel.....	214	169,518	+1.7	-21.8	2,032,069	+4.6	-49.5	51.3	20.4
Cast-iron pipe.....	40	5,261	-8.5	-47.3	72,300	+1	-58.1	28.1	15.8
Structural and ornamental ironwork.....	189	14,700	-4.2	-38.4	251,828	-4.5	-55.8	42.7	23.9
Hardware.....	110	20,374	+3.8	-21.6	256,760	+8.6	-42.2	48.2	22.7
Steam fittings and steam and hot-water heating apparatus.....	102	13,870	+7.2	-30.4	239,443	+8.7	-40.5	35.5	20.4
Stoves.....	157	15,540	+18.3	-19.0	283,015	+33.1	-34.2	51.7	31.6
Bolts, nuts, washers, and rivets.....	67	8,230	+1.1	-16.0	109,779	+1.0	-41.8	61.0	29.5
Cutlery (not including silver and plated cutlery) and edge tools.....	129	8,945	+9	-12.8	150,064	-9	-25.7	63.6	39.1
Forgings, iron and steel.....	60	4,953	-5.9	-28.8	66,243	-12.6	-50.9	49.9	21.9
Plumbers' supplies.....	72	5,839	-14.9	-31.4	93,002	-20.2	-51.0	50.2	27.5
Tin cans and other tinware.....	59	9,302	+7.6	-6	194,814	+16.1	-5.2	81.2	52.4
Tools (not including edge tools, machine tools, files, or saws).....	180	6,581	+8.4	-30.0	102,364	+22.0	-40.9	59.0	32.4
Wirework.....	70	5,256	+2.8	-12.1	89,274	+6.3	-28.2	92.7	63.2
Lumber and allied products	1,585	119,192	+3.6	-25.8	1,557,056	+7.8	-47.6	37.7	20.8
Lumber—									
Sawmills.....	620	57,731	+2.2	-25.1	666,498	+4.7	-49.9	35.2	18.1
Millwork.....	464	16,885	-3	-30.0	250,435	-7	-48.3	34.5	20.0
Furniture.....	479	43,557	+9.0	-28.2	626,504	+18.1	-45.2	45.3	25.7
Turpentine and rosin.....	22	1,019	+1.4	-20.9	13,619	-4.5	-30.2	42.1	35.1
Leather and its manufac-tures	493	127,023	+2.4	-7.6	2,077,876	+5.8	-19.4	77.0	52.7
Leather.....	166	23,897	+4.1	-13.5	446,060	+6.7	-27.1	67.0	51.5
Boots and shoes.....	327	103,126	+2.1	-6.1	1,631,816	+5.4	-17.1	79.5	53.0
Paper and printing	1,935	215,111	+1.9	-16.9	5,493,343	+3.8	-22.4	78.8	65.1
Paper and pulp.....	400	78,409	+2.6	-6.8	1,406,154	+5.6	-23.1	74.1	49.4
Paper boxes.....	310	19,781	+4.8	-16.0	367,706	+11.8	-24.1	69.8	59.0
Printing—									
Book and job.....	756	48,529	+1.1	-16.6	1,313,784	+3.1	-27.5	71.7	58.6
Newspapers and peri-odicals.....	469	68,392	+1.2	-6.5	2,325,698	+2.1	-17.9	96.3	84.7
Chemicals and allied prod-ucts	1,032	137,404	+8.6	-11.5	3,090,543	+6.1	-24.4	73.4	59.5
Chemicals.....	116	19,740	+1.3	-13.6	463,559	-2	-27.8	82.3	58.5
Fertilizers.....	206	5,925	+24.1	-15.2	74,490	+17.4	-32.7	42.5	29.6
Petroleum refining.....	120	46,555	+9	-9.3	1,284,140	-2.9	-20.2	63.4	54.6
Cottonseed oil, cake, and meal.....	52	2,546	+68.7	+51.3	27,573	+43.5	+7.2	46.3	40.3
Druggists' preparations.....	41	7,313	+2.2	-19.4	147,502	+3.7	-25.4	69.7	68.1
Explosives.....	24	2,867	+3.5	-25.4	52,129	+2.9	-45.0	71.6	44.8
Paints and varnishes.....	362	14,835	+1.4	-14.6	318,547	+5.9	-28.8	66.9	51.6
Rayon.....	22	25,405	+41.0	-14.7	438,149	+48.7	-25.5	130.9	110.8
Soap.....	89	12,218	+7	-8.1	284,494	+2.3	-17.4	94.5	83.3
Stone, clay, and glass prod-ucts	1,348	85,885	+2.8	-36.2	1,374,787	+2.0	-46.8	43.5	26.0
Cement.....	125	14,294	+10.2	-28.0	261,454	+5.0	-49.2	41.9	24.5
Brick, tile, and terra cotta.....	684	19,705	-1.1	-36.9	245,444	-3	-55.5	29.6	13.7
Pottery.....	123	13,537	+5.0	-26.0	197,253	+11.7	-42.4	54.6	29.8
Glass.....	196	32,332	+3.0	-24.9	550,059	-3	-40.7	54.3	36.4
Marble, granite, slate, and other stone products.....	220	6,017	+1.4	-33.1	130,577	+1	-47.4	52.9	35.6

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN AUGUST AND SEPTEMBER, 1932, AND SEPTEMBER, 1931—Continued

Industry	Estab-lishments reporting in both August and Sep-tember, 1932	Employment			Pay rolls			Index num-bers, Sep-tember, 1932 (average, 1926=100)	
		Number on pay roll, Sep-tember, 1932	Per cent of change		Amount of pay roll (1 week), Sep-tember, 1932	Per cent of change		Em-ploy-ment	Pay-roll totals
			Aug-ust to Sep-tember, 1932	Sep-tember, 1931 to Sep-tember, 1932		Aug-ust to Sep-tember, 1932	Sep-tember, 1931 to Sep-tember, 1932		
Nonferrous metals and their products	623	75,567	+4.4	-20.5	\$1,276,896	+9.8	-36.6	52.4	33.6
Stamped and enameled ware.....	89	12,746	+8.2	-12.7	209,571	+15.6	-29.0	61.7	40.0
Brass, bronze, and copper products.....	203	26,212	+2.1	-21.9	422,783	+5.6	-38.6	50.3	29.3
Aluminum manufactures.....	26	4,875	+2.6	-19.4	69,542	+9.7	-43.5	47.5	25.8
Clocks, time-recording devices, and clock movements.....	23	3,806	-3.6	-34.8	54,073	+2.0	-50.2	40.1	26.9
Gas and electric fixtures, lamps, lanterns, and reflectors.....	53	4,620	+4.4	-23.6	95,325	+8.8	-38.6	63.2	45.1
Plated ware.....	54	7,326	+5.2	-15.1	136,413	+11.5	-34.2	60.5	37.9
Smelting and refining copper, lead, and zinc.....	28	7,292	+1.9	-19.4	124,151	+8.0	-35.4	54.9	35.7
Jewelry.....	147	8,690	+15.2	-22.5	165,038	+27.1	-35.3	40.7	27.9
Tobacco manufactures	242	55,511	+2.4	-11.5	717,992	+3.2	-18.4	72.0	54.2
Chewing and smoking tobacco and snuff.....	32	9,941	-1.3	+6.2	141,146	+3.3	-1.2	87.5	74.2
Cigars and cigarettes.....	210	45,570	+3.1	-13.9	576,846	+3.1	-20.8	70.0	51.8
Transportation equipment	416	214,700	-10.9	-59.8	3,357,914	-26.2	-42.9	45.0	23.6
Automobiles.....	243	176,016	-12.9	-30.7	2,439,249	-32.0	-46.5	45.3	21.6
Aircraft.....	30	5,210	-5.4	-33.8	161,920	-8.7	-32.0	161.5	167.2
Cars, electric and steam railroad.....	39	5,270	+3.8	-26.6	93,375	-6	-37.6	19.3	11.1
Locomotives.....	11	2,138	-9.0	-40.8	42,172	-19.1	-57.1	14.5	9.4
Shipbuilding.....	93	26,018	-3.6	-23.8	571,198	-1.9	-33.3	69.0	51.6
Rubber products	150	70,188	-2.8	-14.3	1,214,101	-6.2	-30.0	62.3	37.6
Rubber tires and inner tubes.....	44	43,199	-4.7	-11.9	731,588	-17.4	-33.1	59.3	32.2
Rubber boots and shoes.....	9	9,097	-8.1	-23.8	157,209	+11.6	-34.7	49.5	37.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	97	17,892	+3.4	-10.5	325,304	+11.6	-21.0	78.8	53.3
Machinery, not including transportation equipment	1,855	232,660	+2	-31.6	5,024,293	+1.9	-45.9	45.3	26.2
Agricultural implements.....	78	5,369	-3.2	-32.3	81,590	-6.1	-37.1	21.0	14.6
Electrical machinery, apparatus, and supplies.....	294	107,471	-5.4	-34.5	2,080,268	-1.6	-48.8	50.6	32.9
Engines, turbines, tractors, and water wheels.....	88	15,111	-3	-31.7	277,896	-1.8	-44.6	39.3	22.6
Cash registers, adding machines, and calculating machines.....	45	13,171	+1.3	-19.3	306,363	+5	-21.2	62.9	45.4
Foundry and machine-shop products.....	1,095	97,929	+1.5	-28.6	1,507,758	+1.4	-45.6	43.4	22.2
Machine tools.....	164	10,484	+5.8	-45.9	138,022	+4.8	-55.5	30.2	17.7
Textile machinery and parts.....	41	6,265	+6.2	-28.0	110,795	+14.3	-39.3	52.3	33.0
Typewriters and supplies.....	18	8,639	+37.2	-27.2	118,602	+34.5	-43.8	55.8	29.1
Radio.....	42	17,621	+8.0	-40.3	353,004	+25.0	-41.1	68.1	56.1
Railroad repair shops	936	90,160	+3.8	-20.4	1,954,213	+1.5	-36.1	46.5	33.5
Electric railroad.....	399	20,938	-4	-11.1	535,051	-1.7	-21.6	66.5	53.7
Steam railroad.....	537	69,222	+4.3	-21.4	1,421,132	+1.9	-37.6	44.9	31.9
Total, 89 industries	18,165	2,620,867	+4.5	-17.5	44,626,655	+5.0	-32.8	58.5	38.1

Per Capita Earnings in Manufacturing Industries

PER capita weekly earnings in September, 1932, for each of the 89 manufacturing industries surveyed by the Bureau of Labor Statistics, together with the per cents of change in September, 1932, as compared with August, 1932, and September, 1931, are shown in Table 2.

These earnings must not be confused with full-time weekly rates of wages. They are per capita weekly earnings, computed by dividing the total amount of pay roll for the week by the total number of employees (part-time as well as full-time workers).

TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN SEPTEMBER, 1932, AND COMPARISON WITH AUGUST, 1932, AND SEPTEMBER, 1931

Industry	Per capita weekly earnings in September, 1932	Per cent of change compared with—	
		August, 1932	September, 1931
Food and kindred products:			
Slaughtering and meat packing.....	\$20.93	+1.8	-15.9
Confectionery.....	14.91	+4.3	-15.9
Ice cream.....	26.70	-1.2	-15.3
Flour.....	21.41	-1.1	-13.0
Baking.....	22.78	+2.0	-9.9
Sugar refining, cane.....	25.76	-1.9	-7.9
Beet sugar.....	21.91	+8	-22.3
Beverages.....	25.07	-5.6	-15.1
Butter.....	22.20	-8	-10.2
Textiles and their products:			
Cotton goods.....	10.96	+11.4	-15.5
Hosiery and knit goods.....	13.84	+13.5	-12.8
Silk goods.....	13.31	-1.4	-21.0
Woolen and worsted goods.....	16.40	+3.4	-11.7
Carpets and rugs.....	14.09	+4.4	-29.1
Dyeing and finishing textiles.....	19.60	+10.9	-13.4
Clothing, men's.....	15.07	+9.4	-15.2
Shirts and collars.....	10.02	-3.7	-23.2
Clothing, women's.....	18.99	+4.5	-20.9
Millinery.....	19.52	+13.6	-8.5
Corsets and allied garments.....	14.07	+10.4	-8.1
Cotton small wares.....	15.16	+12.6	-13.9
Hats, fur-felt.....	22.98	+18.5	-4.8
Men's furnishings.....	11.61	+11.3	-27.3
Iron and steel and their products, not including machinery:			
Iron and steel.....	11.99	+2.9	-35.4
Cast-iron pipe.....	13.74	+9.4	-20.0
Structural and ornamental ironwork.....	17.13	-3	-28.6
Hardware.....	12.60	+4.7	-26.2
Steam fittings and steam and hot-water heating apparatus.....	17.26	+1.4	-14.6
Stoves.....	18.21	+12.5	-19.2
Bolts, nuts, washers, and rivets.....	13.34	-1	-30.7
Cutlery (not including silver and plated cutlery) and edge tools.....	16.78	-1.8	-14.6
Forgings, iron and steel.....	13.37	-7.2	-30.9
Plumbers' supplies.....	15.93	-6.2	-28.3
Tin cans and other tinware.....	20.94	+7.9	-4.6
Tools (not including edge tools, machine tools, files, or saws).....	15.55	+12.5	-15.5
Wirework.....	16.99	+3.5	-18.2
Lumber and allied products:			
Lumber—			
Sawmills.....	11.54	+2.4	-32.9
Millwork.....	14.83	+1.0	-25.8
Furniture.....	14.38	+8.4	-25.4
Turpentine and rosin.....	13.37	-5.8	-11.6
Leather and its manufactures:			
Leather.....	18.67	+2.5	-15.9
Boots and shoes.....	15.82	+3.2	-11.5
Paper and printing:			
Paper and pulp.....	17.93	+2.9	-17.3
Paper boxes.....	18.08	+6.7	-9.6
Printing—			
Book and job.....	27.07	+1.9	-13.4
Newspapers and periodicals.....	34.01	+1.0	-12.0

TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN SEPTEMBER, 1932, AND COMPARISON WITH AUGUST, 1932, AND SEPTEMBER, 1931—Continued

Industry	Per capita weekly earnings in September, 1932	Per cent of change compared with—	
		August, 1932	September, 1931
Chemicals and allied products:			
Chemicals.....	23.48	-1.5	-16.4
Fertilizers.....	12.57	-5.3	-20.6
Petroleum refining.....	27.58	-3.8	-11.9
Cottonseed, oil cake, and meal.....	10.83	-15.0	-29.2
Druggists' preparations.....	20.17	+1.5	-7.5
Explosives.....	18.18	-.5	-26.3
Paints and varnishes.....	21.47	+4.4	-17.0
Rayon.....	17.26	+5.4	-12.7
Soap.....	23.28	+1.5	-10.5
Stone, clay, and glass products:			
Cement.....	17.59	-4.8	-29.2
Brick, tile, and terra cotta.....	12.46	+4.8	-29.7
Pottery.....	14.57	+6.4	-21.9
Glass.....	17.01	-3.2	-21.3
Marble, granite, slate, and other stone products.....	21.70	-1.3	-21.8
Nonferrous metals, and their products:			
Stamped and enameled ware.....	16.44	+6.8	-18.5
Brass, bronze, and copper products.....	16.13	+3.4	-21.4
Aluminum manufactures.....	14.27	+7.0	-30.1
Clocks, time-recording devices, and clock movements.....	14.21	+5.8	-23.7
Gas and electric fixtures.....	20.63	+4.2	-14.1
Plated ware.....	18.62	+5.9	-22.4
Smelting and refining—copper, lead, and zinc.....	17.03	+6.0	-19.8
Jewelry.....	18.99	+10.3	-16.7
Tobacco manufactures:			
Chewing and smoking tobacco and snuff.....	14.20	+4.6	-6.8
Cigars and cigarettes.....	12.66	(1)	-8.2
Transportation equipment:			
Automobiles.....	14.14	-22.0	-23.0
Aircraft.....	31.08	-3.4	+2.9
Cars, electric and steam railroad.....	17.72	-4.2	-15.2
Locomotives.....	19.29	-11.1	-27.5
Shipbuilding.....	21.95	+1.8	-12.7
Rubber products:			
Rubber tires and inner tubes.....	16.94	-13.3	-24.1
Rubber boots and shoes.....	17.28	+21.4	-8.4
Rubber goods, other than boots, shoes, tires, and inner tubes.....	18.18	+7.9	-11.8
Machinery, not including transportation equipment:			
Agricultural implements.....	15.20	-3.0	-6.7
Electrical machinery, apparatus, and supplies.....	19.36	+4.0	-21.5
Engines, turbines, tractors, and water wheels.....	18.39	-1.5	-.5
Cash registers, adding machines, and calculating machines.....	23.26	-.8	-2.4
Foundry and machine-shop products.....	15.40	-.1	-23.6
Machine tools.....	17.93	-1.0	-18.2
Textile machinery and parts.....	17.68	+7.6	-15.7
Typewriters and supplies.....	13.73	-1.9	-22.8
Radio.....	20.03	+15.7	-1.5
Railroad repair shops:			
Electric-railroad repair shops.....	25.46	-1.3	-11.7
Steam-railroad repair shops.....	20.53	-2.4	-20.7

¹ No change.

General Index Numbers of Employment and Pay-Roll Totals in Manufacturing Industries

GENERAL index numbers of employment and pay-roll totals in manufacturing industries by months, from January, 1926, to September, 1932, together with average indexes for each of the years from 1926 to 1931, and for the 9-month period, January to September, 1932, inclusive, are shown in the following table. In computing these general indexes, the index numbers of each of the separate industries are weighted according to their relative importance in the total. Following this table are two charts prepared from these general

indexes showing the course of employment and pay rolls for each of the years 1926 to 1931, inclusive, and for the months from January to September, 1932, inclusive.

TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES, JANUARY, 1926, TO SEPTEMBER, 1932

[12-month average, 1926=100]

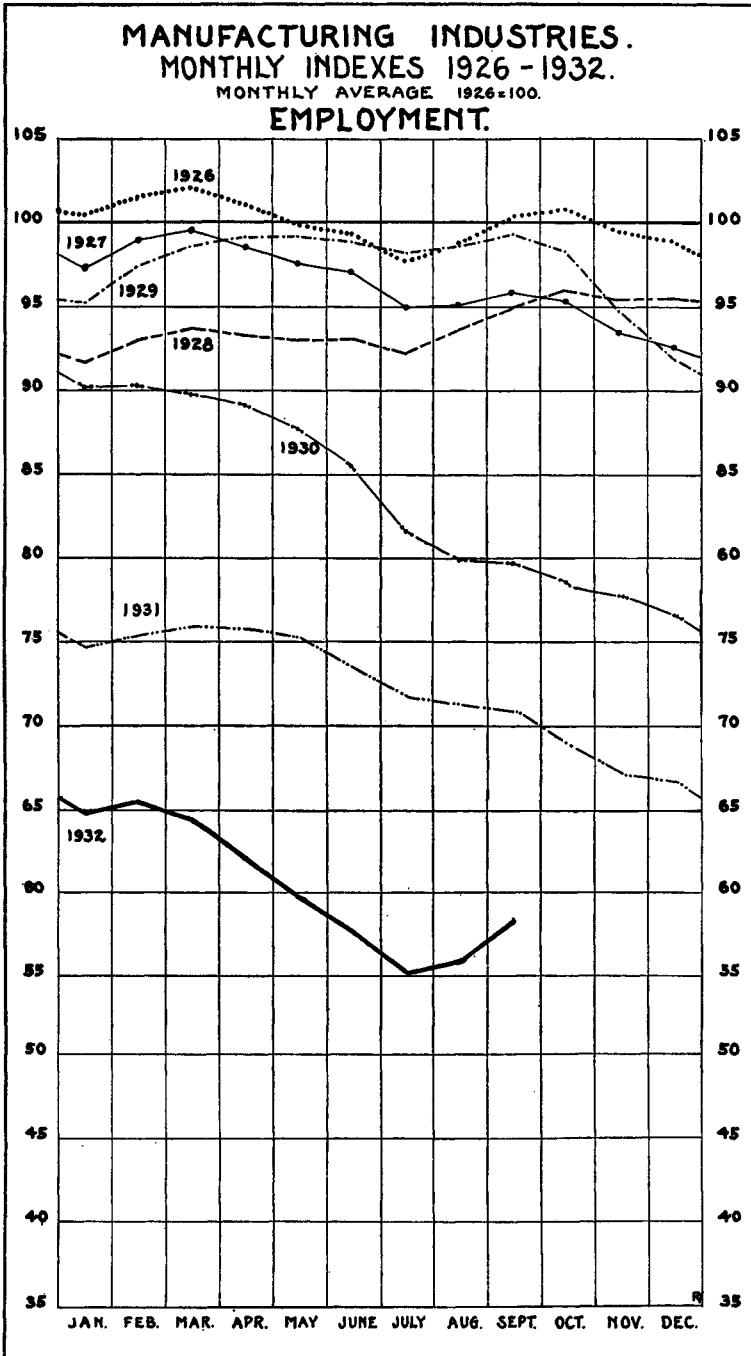
Month	Employment							Pay rolls						
	1926	1927	1928	1929	1930	1931	1932	1926	1927	1928	1929	1930	1931	1932
January.....	100.4	97.3	91.6	95.2	90.7	74.6	64.8	98.0	94.9	89.6	95.5	88.1	83.7	48.6
February.....	101.5	98.0	93.0	97.4	90.9	75.3	65.6	102.2	100.6	93.9	101.8	81.3	68.1	49.6
March.....	102.0	98.5	93.7	98.6	90.5	75.9	64.5	103.4	102.0	95.2	103.9	81.6	69.6	48.2
April.....	101.0	98.6	93.3	99.1	89.9	75.7	62.2	101.5	100.8	93.3	104.6	90.7	68.5	44.7
May.....	99.8	97.6	93.0	99.2	88.6	75.2	59.7	99.8	99.8	94.1	104.8	88.6	67.7	42.5
June.....	99.3	97.0	93.1	98.8	86.5	73.4	67.5	99.7	97.4	94.2	102.8	85.2	63.8	39.3
July.....	97.7	95.0	92.2	98.2	82.7	71.7	55.2	95.2	93.0	91.2	98.2	77.0	60.3	36.2
August.....	98.7	95.1	93.6	98.6	81.0	71.2	56.0	98.7	95.0	94.2	102.1	75.0	59.7	36.3
September.....	100.3	95.8	95.0	99.3	80.9	70.9	58.5	99.3	94.1	95.4	102.6	75.4	56.7	38.1
October.....	100.7	95.3	95.9	98.4	79.9	68.9	-----	102.9	95.2	96.0	102.4	74.0	55.3	-----
November.....	99.5	93.5	95.4	95.0	77.9	67.1	-----	99.6	91.6	96.1	95.4	69.6	52.5	-----
December.....	98.9	92.6	95.5	92.3	76.6	66.7	-----	99.8	93.2	97.7	92.4	68.8	52.2	-----
Average.....	100.0	96.4	93.8	97.5	84.7	72.2	60.4	100.0	96.5	94.5	100.5	81.3	61.5	42.6

¹ Average for 9 months.

Time Worked in Manufacturing Industries in September, 1932

REPORTS as to working time in September were received from 13,726 establishments in 89 manufacturing industries. Three per cent of these establishments were idle, 45 per cent operated on a full-time basis, and 52 per cent worked on a part-time schedule.

An average of 85 per cent of full-time operation in September was shown by reports received from all the operating establishments included in Table 4. The establishments working part time in September averaged 72 per cent of full-time operation.



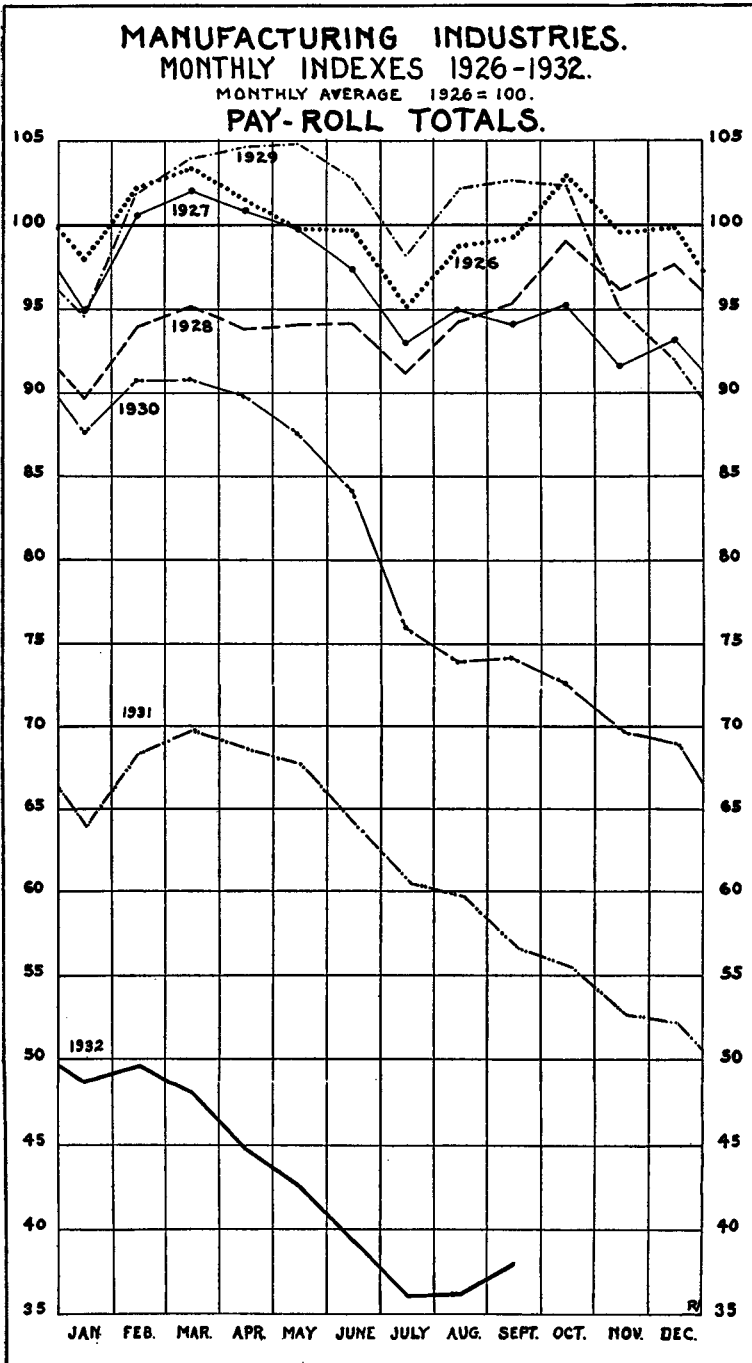


TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN SEPTEMBER, 1932

Industry	Establishments reporting		Per cent of establishments in which employees worked—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All operating establishments	Establishments operating part time
Food and kindred products	2,473	1	76	23	85	80
Slaughtering and meat packing.....	172	-----	77	23	97	87
Confectionery.....	255	2	51	47	90	78
Ice cream.....	350	1	80	19	97	83
Flour.....	396	1	70	29	93	76
Baking.....	679	-----	86	14	97	80
Sugar refining, cane.....	13	15	23	62	82	75
Beet sugar.....	55	-----	89	11	98	83
Beverages.....	288	(1)	71	28	93	75
Butter.....	285	-----	83	17	98	86
Textiles and their products	2,411	4	62	34	93	79
Cotton goods.....	658	4	58	38	91	78
Hosiery and knit goods.....	389	3	68	30	94	81
Silk goods.....	217	7	71	22	95	77
Woolen and worsted goods.....	227	7	67	26	95	80
Carpets and rugs.....	25	8	24	68	75	66
Dyeing and finishing textiles.....	139	1	59	40	92	80
Clothing, men's.....	232	6	59	35	93	81
Shirts and collars.....	69	7	55	38	92	80
Clothing, women's.....	159	6	70	25	94	76
Millinery.....	89	6	74	20	96	82
Corsets and allied garments.....	24	-----	50	50	90	79
Cotton small wares.....	99	-----	35	65	87	80
Hats, fur-felt.....	26	-----	62	38	94	79
Men's furnishings.....	58	2	57	41	90	76
Iron and steel and their products, not including machinery	1,059	4	16	80	68	62
Iron and steel.....	171	11	6	83	56	53
Cast-iron pipe.....	37	11	16	73	60	51
Structural and ornamental ironwork.....	134	2	11	87	71	68
Hardware.....	55	-----	11	89	65	61
Steam fittings and steam and hot-water heating apparatus.....	82	2	6	91	59	56
Stoves.....	112	4	13	82	73	69
Bolts, nuts, washers, and rivets.....	63	-----	13	87	65	60
Cutlery (not including silver and plated cutlery) and edge tools.....	105	1	24	75	75	67
Forgings, iron and steel.....	36	-----	19	81	66	57
Plumbers' supplies.....	53	6	15	79	72	66
Tin cans and other tinware.....	50	4	62	34	94	82
Tools (not including edge tools, machine tools, files, or saws).....	112	4	19	78	70	62
Wirework.....	49	-----	16	84	74	69
Lumber and allied products	1,114	6	25	69	78	70
Lumber, sawmills.....	468	7	16	77	70	64
Lumber, millwork.....	285	5	20	75	80	75
Furniture.....	342	4	42	54	85	74
Turpentine and rosin.....	19	11	32	58	87	80
Leather and its manufactures	373	2	43	55	87	77
Leather.....	130	2	44	54	88	78
Boots and shoes.....	243	2	42	56	87	77
Paper and printing	1,547	1	40	59	86	76
Paper and pulp.....	320	4	30	66	80	71
Paper boxes.....	258	-----	28	72	83	77
Printing, book and job.....	592	(1)	25	75	82	77
Printing, newspapers and periodicals.....	377	-----	81	19	98	89
Chemicals and allied products	797	2	54	44	91	81
Chemicals.....	80	4	68	29	94	80
Fertilizers.....	145	3	63	33	93	80
Petroleum refining.....	74	4	72	24	97	87
Cottonseed oil, cake, and meal.....	41	-----	59	41	95	89
Druggists' preparations.....	27	-----	41	59	92	86
Explosives.....	17	6	-----	94	76	76
Paints and varnishes.....	322	(1)	44	56	88	79
Rayon.....	13	-----	62	38	92	80
Soap.....	78	-----	64	36	94	84

Less than one-half of 1 per cent.

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN SEPTEMBER, 1932—Continued

Industry	Establishments reporting		Per cent of establishments in which employees worked—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All operating establishments	Establishments operating part time
Stone, clay, and glass products	774	13	36	51	79	65
Cement.....	79	18	71	11	96	73
Brick, tile, and terra cotta.....	291	23	19	58	71	61
Pottery.....	89	7	20	73	71	63
Glass.....	129	7	68	25	93	73
Marble, granite, slate, and other stone products.....	186	2	32	66	80	70
Nonferrous metals and their products	482	1	21	78	78	72
Stamped and enameled ware.....	76	-----	11	89	76	73
Brass, bronze, and copper products.....	137	1	17	82	74	69
Aluminum manufactures.....	20	-----	25	75	82	76
Clocks, time-recording devices, and clock movements.....	20	5	20	75	70	62
Gas and electric fixtures, lamps, lanterns, and reflectors.....	44	-----	25	75	80	73
Plated ware.....	46	-----	20	80	79	74
Smelting and refining—copper, lead, and zinc.....	17	6	47	47	87	73
Jewelry.....	122	1	27	72	82	74
Tobacco manufactures	197	5	29	76	78	73
Chewing and smoking tobacco and snuff.....	27	-----	33	67	81	71
Cigars and cigarettes.....	170	5	18	77	78	73
Transportation equipment	287	5	28	67	78	69
Automobiles.....	157	5	12	83	69	64
Aircraft.....	26	8	65	27	97	87
Cars, electric and steam railroad.....	30	10	20	70	74	72
Locomotives.....	9	-----	11	89	82	80
Shipbuilding.....	65	3	55	42	92	82
Rubber products	126	1	29	70	83	76
Rubber tires and inner tubes.....	34	-----	21	79	77	71
Rubber boots and shoes.....	8	13	-----	88	86	86
Rubber goods, other than boots, shoes, tires, and inner tubes.....	84	-----	36	64	86	77
Machinery, not including transportation equipment	1,290	3	18	79	73	67
Agricultural implements.....	64	11	27	63	78	69
Electrical machinery, apparatus, and supplies.....	186	-----	14	86	75	71
Engines, turbines, tractors, and water wheels.....	68	-----	12	88	73	70
Cash registers, adding machines, and calculating machines.....	35	6	49	46	86	72
Foundry and machine-shop products.....	746	2	18	80	71	64
Machine tools.....	120	6	12	83	74	70
Textile machinery and parts.....	32	3	25	72	78	71
Typewriters and supplies.....	12	-----	25	75	70	60
Radio.....	27	-----	30	70	87	81
Railroad repair shops	796	(1)	45	54	89	81
Electric-railroad repair shops.....	363	-----	65	35	95	85
Steam-railroad repair shops.....	433	1	29	70	85	79
Total, 89 industries	13,726	3	45	52	85	72

¹ Less than one-half of 1 per cent.

Employment in Nonmanufacturing Industries in September, 1932

IN THE following table are presented employment and pay-roll data for 14 groups of nonmanufacturing industries the totals of which also appear in the summary table of employment and pay-roll totals.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN NONMANUFACTURING ESTABLISHMENTS IN AUGUST AND SEPTEMBER, 1932, AND SEPTEMBER, 1931

Industrial group	Estab- lish- ments report- ing in both Au- gust and Sep- tem- ber, 1932	Employment			Pay rolls			Index num- bers (August, 1929=100)	
		Number on pay roll, Septem- ber, 1932	Per cent of change		Amount of pay roll (1 week) Septem- ber, 1932	Per cent of change		Em- plov- ment	Pay- roll totals
			Au- gust to Sep- tem- ber, 1932	Sep- tem- ber, 1931 to Sep- tem- ber, 1932		Au- gust to Sep- tem- ber, 1932	Sep- tem- ber, 1931 to Sep- tem- ber, 1932		
Anthracite mining.....	160	76,361	+13.6	-30.2	\$1,868,237	+13.6	-27.6	55.8	47.0
Bituminous coal mining.....	1,136	154,296	+5.1	-22.4	1,969,045	+14.4	-43.7	62.4	30.2
Metalliferous mining.....	256	18,840	+2.2	-47.2	346,328	+3.0	-57.5	29.3	17.0
Quarrying and nonmetallic mining.....	642	24,436	+2.4	-21.3	383,817	+2.7	-40.4	62.4	30.5
Crude petroleum producing.....	274	21,190	-2.1	-8.2	594,938	-2.4	-24.1	56.2	41.9
Telephone and telegraph.....	8,270	274,220	-1.0	-8.9	7,217,273	-4.0	-17.6	77.4	75.9
Power and light.....	3,563	217,549	-0.6	-14.5	6,288,599	-2.6	-20.8	81.0	74.7
Electric-railroad and motor-bus operation and maintenance.....	499	134,347	-0.8	-12.5	3,577,806	-2.0	-24.3	73.5	61.5
Wholesale trade.....	2,720	70,609	+0.9	-10.5	1,897,767	-0.1	-22.5	77.1	63.1
Retail trade.....	14,233	333,978	+7.2	-10.2	6,711,735	+6.3	-22.6	77.8	64.6
Hotels.....	2,590	138,610	-0.7	-15.0	1,862,217	-0.8	-27.8	77.0	59.1
Canning and preserving.....	941	89,706	+26.6	-30.4	956,747	+14.6	-42.0	125.3	75.1
Laundries.....	1,023	61,315	-0.4	-12.0	957,370	-1.6	-25.2	78.6	62.9
Dyeing and cleaning.....	379	12,382	+4.7	-12.6	228,202	+8.5	-26.2	83.3	61.0

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

INDEX numbers of employment and pay-roll totals for 14 nonmanufacturing industries are presented in the following table. These index numbers show the variation in employment and pay rolls in these groups, by months, from January, 1929, to September, 1932, with the exception of the laundries and the dyeing and cleaning groups, for which information over the entire period is not available. The bureau recently secured data concerning employment and pay rolls for the index base year 1929 from establishments in the laundries and the dyeing and cleaning groups, and has computed index numbers for these two groups, which now appear in this tabulation. The monthly collection of trend-of-employment statistics in these two groups did not begin until the later months of 1930 and, therefore, indexes for each month of the entire period are not available.

TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER, 1929, 1930, AND 1931, AND JANUARY TO SEPTEMBER, 1932

[12-month average, 1929=100]

Month	Anthracite mining								Bituminous coal mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
January.....	105.7	102.1	90.6	76.2	100.7	105.8	89.3	61.5	106.4	102.5	93.9	80.8	106.1	101.4	73.3	47.0
February.....	106.0	106.9	89.5	71.2	122.1	121.5	101.9	57.3	107.7	102.4	91.5	77.4	116.6	102.1	68.3	47.0
March.....	98.0	82.6	82.0	73.7	90.8	78.5	71.3	61.2	106.8	98.6	88.8	75.2	108.6	86.4	65.2	46.8
April.....	100.7	84.1	85.2	70.1	88.3	75.0	75.2	72.0	100.2	94.4	85.9	65.5	89.2	81.7	68.6	33.9
May.....	103.7	93.8	80.3	66.9	99.0	98.8	76.1	58.0	96.6	90.4	82.4	62.6	91.9	77.5	54.4	30.7
June.....	92.9	90.8	76.1	53.0	80.7	94.3	66.7	37.4	94.7	88.4	78.4	60.5	90.0	75.6	52.4	27.3
July.....	83.2	91.6	65.1	44.5	64.7	84.0	53.7	34.5	94.1	88.0	76.4	58.6	85.6	68.9	50.4	24.4
August.....	91.1	80.2	67.3	49.2	78.4	78.8	56.4	41.4	95.7	89.2	77.0	59.4	92.8	71.1	50.6	26.4
September.....	101.9	93.8	80.0	55.8	103.8	91.6	64.9	47.0	97.2	90.5	80.4	62.4	98.6	74.9	53.6	30.2
October.....	106.1	99.0	86.8	.....	133.9	117.2	91.1	.....	98.8	91.8	81.3	.....	106.8	79.4	56.2	.....
November.....	104.0	97.2	83.5	.....	100.5	98.0	79.5	.....	101.0	92.5	81.1	.....	106.0	79.1	54.6	.....
December.....	107.1	99.1	79.8	.....	137.2	100.0	78.4	.....	101.4	92.5	81.2	.....	108.2	77.7	52.3	.....
Average.....	100.0	93.4	80.5	62.3	100.0	95.3	75.4	52.3	100.0	93.4	83.2	66.9	100.0	81.3	57.5	34.9
	Metalliferous mining								Quarrying and nonmetallic mining							
January.....	93.1	95.7	68.3	49.3	88.0	92.7	55.0	29.7	91.6	79.6	64.4	48.9	85.9	71.9	50.4	30.2
February.....	94.6	92.3	65.3	46.9	91.8	92.5	54.6	27.8	91.9	79.8	66.6	47.4	88.9	73.5	54.4	29.6
March.....	97.0	90.9	63.5	45.0	99.1	90.8	52.8	26.5	96.0	83.0	70.0	46.0	95.0	80.0	58.2	28.7
April.....	100.6	89.3	63.9	43.3	104.6	88.3	51.4	25.0	99.6	87.4	76.1	48.6	100.5	85.4	62.6	30.0
May.....	100.8	87.5	62.4	38.3	104.6	85.6	49.3	23.8	104.1	90.8	75.0	50.6	107.1	90.2	62.3	32.3
June.....	103.8	84.6	60.0	32.2	105.6	81.6	46.1	20.1	106.6	90.3	72.3	49.5	110.5	90.9	60.1	30.0
July.....	101.5	80.5	56.2	29.5	99.0	71.9	41.3	16.9	104.7	89.9	71.0	49.5	104.7	85.5	57.3	29.1
August.....	103.2	79.0	55.8	28.6	100.1	71.0	40.2	16.5	106.7	89.3	68.9	51.1	110.3	85.8	55.1	29.2
September.....	102.1	78.1	55.5	29.3	102.0	69.9	40.0	17.0	106.6	87.7	66.6	52.4	109.8	82.5	51.2	30.5
October.....	101.9	77.2	53.8	.....	103.1	68.6	37.4	.....	103.6	84.7	64.5	.....	105.8	79.3	48.7	.....
November.....	103.0	72.8	52.8	.....	102.2	63.4	35.1	.....	98.6	78.3	59.3	.....	96.0	66.8	43.3	.....
December.....	98.5	70.1	51.2	.....	99.7	59.9	34.3	.....	90.1	70.2	53.9	.....	85.4	59.9	36.9	.....
Average.....	100.0	83.2	59.1	38.0	100.0	78.0	44.8	22.6	100.0	84.3	67.4	49.3	100.0	79.3	53.4	30.0
	Crude petroleum producing								Telephone and telegraph							
January.....	90.0	92.7	74.8	54.9	93.1	94.0	71.5	46.5	94.3	101.6	90.5	83.0	94.5	105.1	96.3	89.1
February.....	90.4	90.8	73.2	54.4	99.0	88.6	70.0	46.9	95.3	100.2	89.2	82.0	93.0	101.9	94.8	89.6
March.....	89.6	89.3	72.2	51.4	97.4	91.3	73.2	43.2	96.5	99.4	88.6	81.7	98.7	105.8	97.9	88.2
April.....	97.6	86.8	69.8	54.9	96.7	86.6	66.3	44.5	97.8	98.9	88.1	81.2	98.3	103.4	95.0	83.4
May.....	93.9	89.8	67.8	54.5	92.4	85.4	64.7	47.1	100.4	99.7	87.4	80.6	99.4	103.2	94.1	82.8
June.....	104.1	90.2	65.0	54.2	99.4	87.1	62.7	44.8	101.5	99.8	86.9	79.9	100.0	103.4	95.0	82.1
July.....	106.0	89.9	65.3	55.4	100.7	88.5	59.2	44.6	102.6	100.0	86.6	79.1	104.1	106.6	98.3	79.6
August.....	113.2	87.7	62.4	57.4	104.7	86.0	56.3	42.9	103.7	98.8	85.9	78.1	101.8	102.5	92.3	79.1
September.....	108.9	85.0	61.2	56.2	110.7	84.0	55.2	41.9	102.5	96.8	85.0	77.4	100.4	102.2	92.1	75.9
October.....	107.9	85.2	60.4	.....	100.1	82.6	54.4	.....	101.9	94.5	84.1	.....	105.1	100.9	91.6	.....
November.....	101.1	83.6	57.6	.....	103.8	80.0	52.0	.....	101.9	93.0	83.5	.....	101.2	97.9	89.7	.....
December.....	97.0	77.4	58.2	.....	102.1	77.2	54.9	.....	101.8	91.6	83.1	.....	103.9	101.3	92.7	.....
Average.....	100.0	87.4	65.7	54.8	100.0	85.9	61.7	44.7	100.0	97.9	86.6	80.3	100.0	102.9	93.7	83.3

¹ Average for 9 months.

TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER, 1929, 1930, AND 1931, AND JANUARY TO SEPTEMBER, 1932—Continued
[12-month average, 1929=100]

Month	Power and light								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
January.....	92.9	99.6	99.2	89.3	91.7	99.7	98.6	88.4	99.7	97.1	86.9	79.5	98.7	97.8	85.6	74.3
February.....	92.6	98.8	97.8	87.2	91.8	100.4	99.7	86.0	99.1	95.1	86.6	78.9	97.6	95.7	87.1	73.6
March.....	92.8	99.7	96.7	85.5	94.5	102.1	102.4	85.4	97.0	94.4	86.4	77.6	98.0	95.4	88.1	72.4
April.....	95.9	100.7	97.1	84.8	95.5	102.6	97.6	82.4	98.5	95.2	86.8	78.0	99.5	97.1	86.6	70.7
May.....	98.4	103.4	97.6	84.0	98.1	104.5	98.7	84.2	100.4	95.2	85.9	76.9	101.0	96.0	85.1	71.2
June.....	100.7	104.6	97.2	83.2	100.4	107.8	98.3	80.5	101.2	94.8	85.3	76.5	101.7	97.0	84.8	69.2
July.....	103.2	105.9	96.7	82.3	102.3	106.7	97.4	78.7	102.2	95.3	85.6	75.6	101.9	95.6	83.3	65.3
August.....	105.4	106.4	95.9	81.5	103.8	106.6	96.2	76.7	102.2	92.9	84.8	74.1	102.0	92.1	81.9	62.8
September.....	105.5	105.2	94.7	81.0	106.6	106.1	94.3	74.7	101.4	91.8	84.0	73.5	101.5	90.5	81.2	61.5
October.....	105.7	104.8	92.7	.....	106.0	105.6	93.2	.....	100.5	91.0	82.7	.....	100.0	88.9	79.0	.....
November.....	104.7	103.4	91.3	.....	104.1	103.7	93.3	.....	99.4	89.3	81.5	.....	98.4	87.7	79.7	.....
December.....	102.5	103.2	90.3	.....	105.8	106.3	91.2	.....	98.3	88.8	79.9	.....	99.8	88.6	77.8	.....
Average.....	100.0	103.0	95.6	84.3	100.0	104.3	96.7	81.9	100.0	93.4	84.7	76.7	100.0	93.5	83.4	69.0
	Wholesale trade								Retail trade							
January.....	97.7	100.0	89.5	81.8	96.7	100.0	87.5	74.1	99.2	98.9	90.0	84.3	99.0	99.7	89.4	78.0
February.....	96.9	98.5	88.2	80.9	96.4	98.3	88.4	72.5	94.6	94.4	87.1	80.5	94.5	96.0	86.7	73.7
March.....	97.3	97.7	87.4	79.8	98.5	99.7	89.1	71.3	96.2	93.9	87.8	81.4	96.1	95.5	87.5	73.4
April.....	97.9	97.3	87.4	78.9	97.8	97.9	85.2	68.9	95.5	97.3	90.1	81.6	96.0	97.5	88.3	72.7
May.....	99.0	96.8	87.1	77.9	99.0	97.4	84.7	69.7	97.3	96.7	89.9	80.9	97.1	97.3	88.0	71.1
June.....	99.2	96.5	87.1	77.0	98.6	98.6	84.1	66.2	97.4	93.9	89.1	79.4	98.6	96.8	87.6	68.2
July.....	100.4	96.0	86.8	76.0	100.5	96.0	83.3	64.7	93.6	89.0	83.9	74.6	95.9	91.7	83.3	63.3
August.....	101.3	95.0	86.5	76.4	100.0	93.6	82.1	63.2	93.6	85.6	81.8	72.6	95.2	87.6	80.3	60.7
September.....	101.9	94.8	86.1	77.1	103.3	93.6	81.4	63.1	97.6	92.0	86.6	77.8	99.2	92.4	84.5	64.6
October.....	102.9	94.2	85.2	.....	102.7	92.9	79.9	.....	101.7	95.5	89.8	.....	102.6	95.1	83.6	.....
November.....	102.9	92.6	84.1	.....	101.9	91.0	79.7	.....	106.7	92.4	90.9	.....	105.2	96.8	85.4	.....
December.....	102.6	92.0	83.7	.....	104.7	91.3	77.8	.....	126.2	115.1	106.2	.....	120.6	107.7	94.1	.....
Average.....	100.0	96.0	88.6	78.5	100.0	95.9	83.6	68.2	100.0	95.9	89.4	79.2	100.0	96.2	86.6	69.5
	Hotels								Canning and preserving							
January.....	97.1	100.4	95.0	83.2	98.5	100.3	91.0	73.9	50.8	46.1	48.9	35.0	57.3	50.3	46.1	31.8
February.....	99.8	102.4	96.8	84.3	102.0	103.8	93.7	73.9	48.9	45.7	48.3	37.1	59.2	51.5	48.6	32.7
March.....	100.9	102.4	96.8	84.0	103.4	104.4	93.4	72.4	49.4	49.7	53.0	36.3	54.9	60.8	50.3	31.9
April.....	99.7	100.1	95.9	82.7	100.6	100.3	89.9	69.6	90.6	74.8	59.6	47.0	98.9	72.6	57.1	37.9
May.....	98.1	98.0	92.5	80.1	98.9	98.4	87.7	67.0	62.0	65.7	56.0	40.5	71.2	66.9	56.0	36.0
June.....	99.3	98.0	91.6	78.0	98.7	98.1	85.4	63.8	76.6	83.0	70.6	55.5	71.9	81.5	58.6	40.5
July.....	101.1	101.3	93.3	78.4	99.8	99.8	85.2	61.8	126.8	126.3	102.2	73.0	109.2	112.7	74.2	47.5
August.....	102.6	101.5	92.8	77.6	99.4	98.6	83.8	59.6	184.8	185.7	142.9	99.0	180.1	172.0	104.7	65.6
September.....	102.8	100.1	90.6	77.0	100.2	97.1	81.9	59.1	210.1	246.6	180.1	125.3	207.9	214.8	129.4	75.1
October.....	100.6	97.5	87.4	.....	100.2	95.5	79.7	.....	143.3	164.7	108.1	.....	134.5	140.0	77.6	.....
November.....	100.0	95.2	84.9	.....	99.8	93.6	77.1	.....	95.1	96.7	60.8	.....	91.6	82.9	48.1	.....
December.....	97.7	93.5	83.1	.....	98.9	91.5	75.4	.....	61.3	61.6	40.7	.....	63.4	57.4	36.9	.....
Average.....	100.0	99.2	91.7	80.6	100.0	98.5	85.4	66.8	100.0	103.9	80.9	61.0	100.0	96.1	65.6	44.3
	Laundries								Dyeing and cleaning							
January.....	.....	.....	90.5	84.7	.....	.....	86.6	76.4	.....	.....	88.9	82.1	.....	.....	77.7	65.8
February.....	.....	.....	90.0	82.9	.....	.....	85.6	73.3	.....	.....	87.4	80.5	.....	.....	75.1	62.2
March.....	.....	.....	89.5	82.0	.....	.....	85.6	71.9	.....	.....	88.0	80.6	.....	.....	76.6	61.7
April.....	.....	.....	90.5	82.0	.....	.....	86.8	71.4	.....	.....	95.7	83.3	.....	.....	86.3	65.9
May.....	.....	.....	90.3	81.4	.....	.....	86.5	70.6	.....	.....	96.7	84.5	.....	.....	86.6	67.3
June.....	.....	.....	91.0	81.0	.....	.....	87.1	68.6	.....	.....	99.0	85.1	.....	.....	89.1	65.8
July.....	.....	.....	91.8	80.3	.....	.....	87.4	66.3	.....	.....	98.6	82.4	.....	.....	86.2	60.0
August.....	.....	.....	90.2	78.9	.....	.....	84.6	63.9	.....	.....	93.5	79.5	.....	.....	80.0	56.3
September.....	.....	.....	89.3	78.6	.....	.....	84.1	62.9	.....	.....	95.3	83.3	.....	.....	82.6	61.0
October.....	.....	.....	88.1	.....	.....	.....	81.8	.....	.....	.....	94.2	.....	.....	.....	81.4	.....
November.....	.....	.....	86.2	.....	.....	.....	78.9	.....	.....	.....	90.1	.....	.....	.....	74.7	.....
December.....	.....	.....	85.3	.....	.....	.....	77.4	.....	.....	.....	84.9	.....	.....	.....	67.9	.....
Average.....	100.0	.....	89.4	81.4	100.0	.....	84.4	69.4	100.0	.....	92.7	82.4	100.0	.....	80.3	62.9

¹ Average for 9 months.

² Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, Table 1.

Trend of Employment in September, 1932, by States

IN THE following table are shown the fluctuations in employment and pay-roll totals in September, as compared with August, 1932, in certain industrial groups by States. These tabulations have been prepared from data secured directly from reporting establishments and from information supplied by cooperating State agencies. The combined total of all groups does not include building construction data, information concerning which is published elsewhere in a separate tabulation by city and State totals. In addition to the combined total of all groups, the trend of employment and pay rolls in the manufacturing, public utility, hotel, wholesale trade, retail trade, bituminous coal mining, crude petroleum producing, quarrying and nonmetallic mining, metalliferous mining, laundries, and dyeing and cleaning groups are presented. In this State compilation, the totals of the telephone and telegraph, power and light, and electric-railroad operation groups have been combined and are presented as one group—public utilities. Due to the extreme seasonal fluctuations in the canning and preserving industry, and the fact that during certain months the activity in this industry in a number of States is negligible, data for this industry are not presented separately. The number of employees and the amount of weekly earnings in August and September as reported by identical establishments in this industry are included, however, in the combined total of "All groups."

The per cents of change shown in the accompanying tables, unless otherwise noted, are unweighted per cents of change; that is, the industries included in the groups and the groups comprising the total of all groups, have not been weighted according to their relative importance in the combined totals.

As the anthracite mining industry is confined entirely to the State of Pennsylvania, the changes reported in this industry in the summary table are the fluctuations in this industry by State total.

When the identity of any reporting company would be disclosed by the publication of a State total for any industrial group, figures for the group do not appear in the separate industrial-group tabulation but are included in the State totals for "All groups." Data are not presented for any industrial group when the representation in the State covers less than three establishments.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama.....	475	47,679	+1.4	\$517,116	+6.8	213	32,950	+2.3	\$353,748	+9.0
Arkansas.....	¹ 447	14,428	+5.5	208,574	+5.4	180	9,642	+5.5	120,378	+10.1
Arizona.....	370	7,529	-5.7	153,224	-4.7	61	1,847	-5.7	38,283	-5.3
California.....	1,470	228,512	-3.2	5,199,853	-5.1	1,159	142,039	-5.7	3,063,326	-7.0
Colorado.....	745	28,041	+5.0	566,476	+4.8	122	9,416	-2.3	186,525	-5
Connecticut.....	1,067	126,810	+7.8	2,309,411	+10.7	659	107,486	+8.9	1,810,132	+13.5
Delaware.....	124	9,297	+17.8	176,037	+12.7	50	5,733	+4.1	113,596	+6.2
Dist. of Columbia.....	² 635	31,050	+2.6	759,240	+9	56	3,897	-9	133,300	-7
Florida.....	498	21,204	+1.7	330,179	-1.9	134	13,048	+2.0	168,789	-3.4
Georgia.....	636	68,877	+9.4	856,258	+11.5	311	55,582	+11.0	594,252	+18.3
Idaho.....	204	7,661	-2.5	140,651	-4.3	44	4,457	-2.5	77,572	-6.6
Illinois.....	³ 1,480	265,965	+1.1	5,501,699	+1.0	998	166,423	+1.8	2,989,896	+2.6
Indiana.....	1,524	114,293	+6.8	1,940,606	+5.4	583	78,122	-7	1,331,475	+3.7
Iowa.....	1,174	43,513	+2.8	807,977	+2.2	467	23,241	+1.5	421,326	+2.9
⁴ Kansas.....	⁴ 1,068	63,280	+1.9	1,468,841	+8	447	24,988	+2.9	529,553	+2.1
Kentucky.....	805	56,920	+3.7	856,842	+4.9	214	20,278	+3.1	321,842	+4.6
Louisiana.....	504	29,330	+2.9	455,346	+8	213	17,313	+8	243,160	+2.6
Maine.....	582	40,277	+10.9	675,839	+11.3	187	31,111	+10.5	506,482	+14.8
Maryland.....	² 822	75,084	+5.0	1,385,709	+3.9	489	47,787	+3.6	829,959	+5.4
Massachusetts.....	⁶ 7,764	337,558	-8.1	7,166,103	+5.5	1,080	168,800	+9.8	2,833,374	+13.2
Michigan.....	1,527	228,173	-8.0	3,835,437	-23.9	400	171,034	-11.4	2,526,941	-31.5
Minnesota.....	1,054	62,080	+5.4	1,258,893	+2.3	280	20,591	+5.7	585,908	+4.7
Mississippi.....	390	9,029	+7.0	112,260	+5.3	77	5,292	+15.2	55,756	+19.3
Missouri.....	1,127	99,744	+2.5	2,009,081	+1.1	523	55,956	+2.4	1,041,277	+2.6
Montana.....	326	6,496	+2.1	151,827	+2.4	51	2,032	+5.2	43,294	+2.7
Nebraska.....	678	22,108	+4.5	468,426	+1.9	132	10,991	+5.1	234,562	+5.8
Nevada.....	130	1,394	-1.5	37,290	-4.9	24	299	-2.9	8,474	-7.3
New Hampshire.....	459	36,089	+11.4	590,282	+12.6	184	31,143	+13.0	487,902	+16.1
New Jersey.....	1,462	178,835	+2.5	3,915,279	+4.3	⁷ 705	161,665	+4.2	3,445,481	+7.0
New Mexico.....	177	4,313	+7	74,509	-1.4	20	189	+4.8	4,113	+2.2
New York.....	3,466	470,088	+4.6	11,133,164	+5.6	⁸ 1,639	303,752	+6.4	6,834,586	+9.4
North Carolina.....	905	106,541	+8.4	1,256,248	+18.0	559	101,846	+8.9	1,181,994	+19.5
North Dakota.....	312	3,678	-1.7	80,040	-4.8	60	1,257	-3.0	29,406	-5.1
Ohio.....	4,746	347,329	+3.4	6,229,606	+3.6	1,959	249,358	+2.8	4,272,303	+4.2
Oklahoma.....	717	25,413	+1.7	527,826	+1.1	126	8,871	+1.2	180,046	+1.6
Oregon.....	691	28,857	+13.4	519,515	+5.7	153	13,159	+1.0	219,628	-8
Pennsylvania.....	4,090	573,384	+4.2	9,930,833	+5.7	1,715	316,231	+5.9	4,660,170	+6.5
Rhode Island.....	907	53,027	+13.5	981,972	+13.9	264	41,798	+18.0	722,126	+28.4
South Carolina.....	326	45,382	+18.2	431,827	+20.7	173	41,684	+19.3	377,268	+24.8
South Dakota.....	236	5,534	-(9)	128,010	-2	49	2,020	-5	37,350	+3.4
Tennessee.....	732	59,301	+9.2	804,905	+9.8	278	43,045	+10.8	560,281	+14.1
Texas.....	787	59,723	+1.9	1,322,223	+1.2	369	30,978	+2.8	621,787	+1.2
Utah.....	334	12,728	+8.2	224,396	+6.5	58	3,378	+4	79,593	+2.8
Vermont.....	362	9,759	+10.0	180,681	+8.4	117	5,130	+17.6	92,593	+14.3
Virginia.....	1,280	71,790	+10.5	1,136,613	+12.1	434	51,023	+12.3	795,974	+18.0
Washington.....	1,132	52,356	+10.0	1,008,600	+4.5	273	23,205	+5	421,343	-(9)
West Virginia.....	736	76,034	+3.5	1,171,669	+7.0	187	29,372	+6.6	485,046	+12.1
Wisconsin.....	¹⁰ 1,090	168,830	+1.2	2,013,864	+2.2	811	35,686	+1.6	1,410,059	+2.0
Wyoming.....	189	6,222	+10.1	150,022	+11.5	28	1,303	-3.1	38,951	-4.4

¹ Includes auto dealers and garages, and sand, gravel, and building construction.

² Includes banks, insurance, and office employment.

³ Includes building and contracting.

⁴ Includes transportation, financial institutions, restaurants, and building construction.

⁵ Weighted per cent of change.

⁶ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional and transportation services.

⁷ Includes laundries.

⁸ Includes laundering and cleaning.

⁹ Less than one-tenth of 1 per cent.

¹⁰ Includes construction, but does not include hotels and restaurants.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES—Continued

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Wholesale trade					Retail trade				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama	15	551	+7	\$12,626	-10.3	32	2,163	+9.3	\$32,143	+10.9
Arkansas	17	448	-5.4	12,514	-6.5	193	1,619	+5.3	29,216	+5.2
Arizona	22	189	+3.3	4,963	-4	179	1,376	-7	23,688	-2.2
California	75	5,460	-1	163,322	+1	120	27,163	+5.1	547,484	+4.1
Colorado	29	845	+4	23,498	+8	273	4,091	+6.3	87,254	+5.2
Connecticut	59	1,235	-3	34,858	+(9)	121	4,991	+4.9	103,491	+2.9
Delaware	9	162	-1.2	4,518	-5.0	10	110	-9	2,146	+8.4
District of Columbia	29	398	+3	12,696	-1.4	404	10,635	+8.4	227,291	+8.8
Florida	46	730	+1.2	17,752	-1.7	69	804	+3.5	14,904	+9
Georgia	32	406	+1.5	11,272	+1.2	32	2,014	+5.7	33,153	+6.2
Idaho	7	113	-9	3,103	-7.3	60	676	-8.0	13,022	-4.4
Illinois	14	847	-1.6	21,226	+2.0	59	16,606	-2	390,421	-2.4
Indiana	62	1,193	-6	30,901	-1	196	6,245	+8.2	109,181	+7.2
Iowa	35	1,034	-4	26,587	-3	126	3,092	+1.5	54,987	+2.7
Kansas	72	1,949	+5	50,252	+1.0	334	5,875	+3.3	108,339	+2.5
Kentucky	23	520	+1.4	10,454	-2.7	28	1,496	+7.5	23,564	+9.4
Louisiana	31	758	+1	31,328	-7.0	54	2,974	+5.4	44,383	+8.1
Maine	15	414	-3.0	9,828	-6.0	78	1,121	+2.1	20,155	-7
Maryland	32	733	-6.6	16,433	-6.1	35	4,199	+5.4	79,925	+2.0
Massachusetts	672	14,224	+1.0	386,264	+1.5	3,955	55,915	+3.5	1,173,032	+4.4
Michigan	63	1,798	+5	52,051	+9	226	11,278	+12.8	216,853	+2.7
Minnesota	62	3,933	+8	109,435	+8	344	7,716	+19.2	131,542	+10.8
Mississippi	5	117	+1.7	2,335	-2	61	475	+8.7	5,317	+4.5
Missouri	60	5,223	+2.5	129,383	+2.5	135	5,857	+9.5	122,134	+10.1
Montana	13	213	-2.7	6,178	-3.3	83	716	+2.9	16,503	+8
Nebraska	38	950	-1.0	25,915	-1.9	160	1,644	+5.2	31,219	+3.0
Nevada	7	67	-2.9	2,550	-6.4	30	263	+4.0	7,056	+3.1
New Hampshire	17	197	-5	5,161	-2.8	60	594	+2.6	10,424	+4
New Jersey	25	472	-1.5	14,180	-1.9	415	7,499	+9.6	164,143	+11.0
New Mexico	7	113	-10.3	3,796	-9.6	51	286	-3	5,976	-3.1
New York	184	5,217	+9	161,014	+1.0	515	47,881	+16.8	1,100,967	+20.2
North Carolina	19	259	+8	6,077	-2.9	175	575	+3.6	11,254	+3.0
North Dakota	16	223	+9	6,556	+1.7	38	388	+8.4	6,720	+17.5
Ohio	238	5,111	+1.8	134,211	+1.1	1,551	30,377	+7.2	574,102	+5.5
Oklahoma	56	820	+1.6	20,677	-3.1	120	2,021	+14.8	34,045	+9.1
Oregon	53	1,303	+2.7	35,514	-3	225	2,237	+3.6	43,386	+1.3
Pennsylvania	136	3,259	-3	86,812	-1.1	341	23,842	+4.3	454,315	+6
Rhode Island	39	874	+1.6	22,399	+3.9	518	4,890	+2	106,275	+1.5
South Carolina	17	216	-9	5,512	-3.1	22	737	+16.8	6,218	+10.7
South Dakota	10	128	-8	3,303	+1	21	199	-13.5	3,332	-3
Tennessee	38	730	+1.7	15,415	-4	58	3,451	+15.0	56,078	+11.5
Texas	120	2,591	+4.0	71,225	+3.5	39	7,963	+12.1	143,982	+9.4
Utah	16	500	+1.2	11,742	89	567	+8.8	12,508	-5.2	
Vermont	4	89	-1.1	2,418	-1.4	40	444	+3.7	7,236	-5.3
Virginia	49	915	+11.6	23,369	-1.6	480	4,571	+6.3	81,915	+4.3
Washington	95	2,276	+2.4	60,044	-3.3	404	6,151	+8.4	118,302	+8.0
West Virginia	37	604	+2.5	16,322	-1.5	50	919	+4	15,625	-4.0
Wisconsin	48	1,808	-4.0	41,041	-3.3	63	7,178	+5.1	114,373	+4.6
Wyoming	8	56	-1.8	1,748	+5	48	248	-1.6	6,533	-1.9

⁹ Less than one-tenth of 1 per cent.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES—Continued

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Quarrying and nonmetallic mining					Metalliferous mining				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama.....	7	526	-18.1	\$5,406	+1.9	6	689	+1.3	\$3,399	-19.1
Arkansas.....	10	151	(11)	1,932	+7.6					
Arizona.....						15	2,118	-11.8	43,357	-2.6
California.....	35	706	+1.0	12,887	-6.2	28	1,865	+2.2	49,890	+1.3
Colorado.....						15	637	+6.7	15,872	+2.3
Connecticut.....	10	195	-9.3	2,910	-5.3					
Delaware.....										
District of Columbia.....										
Florida.....	8	596	-3.4	6,523	+3.1					
Georgia.....	18	1,022	+10.6	10,111	+11.8					
Idaho.....						10	1,398	+5	28,934	-1.7
Illinois.....	25	630	+4.7	12,728	+17.4					
Indiana.....	39	1,810	-8.6	30,795	-10.9					
Iowa.....	17	424	+13.1	8,680	+38.7					
Kansas.....	19	661	+8.8	13,800	-4.3	8	847	+461.4	3,196	+243.0
Kentucky.....	28	1,155	+22.1	10,932	+49.8					
Louisiana.....	4	543	+9.7	5,294	+19.8					
Maine.....	8	425	+16.4	9,828	+25.8					
Maryland.....	16	299	-7.7	4,100	-24.9					
Massachusetts.....	17	401	+8.4	8,857	+2.3					
Michigan.....	23	1,133	+71.1	15,671	+73.2	38	4,081	+6.5	44,033	+6.6
Minnesota.....	6	168	-10.2	3,368	-10.9	21	510	-18.8	8,221	-5.4
Mississippi.....	4	49	-27.9	755	+4.4					
Missouri.....	13	290	+2.8	3,740	+12.6	12	1,039	+1.7	18,454	-2.4
Montana.....	3	13	-40.9	188	-39.0	15	84	-16.0	1,660	-16.8
Nebraska.....	3	100	+9.9	1,235	-9.1					
Nevada.....						14	147	-2.0	4,275	-8.5
New Hampshire.....	9	188	+11.9	5,446	+1.7					
New Jersey.....	3	23	(11)	498	-13.2					
New Mexico.....						5	848	+2	16,103	-6
New York.....	45	2,155	+2.5	44,116	-7					
North Carolina.....	7	55	-42.1	806	-31.2					
North Dakota.....										
Ohio.....	65	1,872	-4.2	30,176	-4.6					
Oklahoma.....	4	63	+6.8	794	+8.5	26	764	+37.7	12,398	+50.6
Oregon.....						6	71	-26.0	1,141	-46.5
Pennsylvania.....	55	2,690	+2.4	32,631	+2.6					
Rhode Island.....										
South Carolina.....	8	154	+10.8	514	-21.0					
South Dakota.....	5	71	+77.5	1,222	+47.6					
Tennessee.....	22	1,080	(11)	12,767	-6.0	4	183	-5.7	2,553	+7.6
Texas.....	21	679	-18.9	15,766	-17.9					
Utah.....						10	2,046	+2.6	37,012	+20.3
Vermont.....	39	2,173	+4.5	43,579	+5.5					
Virginia.....	16	1,005	+10.6	9,325	-7.2					
Washington.....	8	198	+10.6	5,117	+22.0					
West Virginia.....	7	263	-36.6	2,562	-23.5					
Wisconsin.....	13	112	-8.9	1,116	-30.5					
Wyoming.....										

¹¹ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES—Continued

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Bituminous coal mining					Crude petroleum producing				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama	37	6,811	-2.3	\$51,392	+9.6					
Arkansas	5	88	-1.1	1,640	-1.1	9	215	-5.3	\$5,253	-1.5
Arizona										
California						38	3,890	+1.0	118,211	-3.4
Colorado	40	4,232	+38.6	66,646	+60.6					
Connecticut										
Delaware										
District of Columbia										
Florida										
Georgia										
Idaho										
Illinois	21	1,807	+4.3	31,137	+54.8	9	203	-1.0	4,445	-4.4
Indiana	38	3,060	+46.0	64,137	+18.6	4	21	-22.2	323	-15.7
Iowa	21	2,017	+3.3	37,883	+12.0					
Kansas	22	328	+32.5	13,866	+27.6	33	1,264	+1.9	29,953	-2
Kentucky	134	22,723	+3.4	284,435	+8.7	5	185	+6.9	3,417	-2.6
Louisiana						10	208	+10.6	5,672	+14.1
Maine										
Maryland	14	1,450	+4.0	10,470	+45.1					
Massachusetts										
Michigan	3	618	+151.2	7,067	+166.5					
Minnesota										
Mississippi										
Missouri	18	1,233	+34.6	19,205	+30.9					
Montana	10	768	+57.4	19,394	+97.6	5	51	+2.0	1,233	-2
Nebraska										
Nevada										
New Hampshire										
New Jersey										
New Mexico	12	1,680	-1.5	23,901	-2.7	4	28	-3.4	880	+1.7
New York						6	195	-2.5	4,750	-8
North Carolina										
North Dakota										
Ohio	57	6,063	+12.0	92,176	+20.2	6	50	-3.8	840	-4
Oklahoma	17	483	+9.8	9,280	+81.1	63	4,420	-2.1	114,480	-2.0
Oregon										
Pennsylvania	362	51,790	+1	581,140	+9.5	22	562	+2.2	13,847	-3
Rhode Island										
South Carolina										
South Dakota										
Tennessee	12	2,153	+7	17,999	+20.2					
Texas						9	7,058	-6.3	239,758	+7
Utah	14	1,522	+16.8	28,818	+25.3					
Vermont										
Virginia	26	3,955	+3.2	41,205	+10.1					
Washington	10	1,250	+199.8	25,681	+192.1					
West Virginia	242	36,337	+2.4	464,090	+7.6	7	344	+9.2	7,379	-4.7
Wisconsin										
Wyoming	32	3,702	+19.7	33,611	+27.0	6	77	+4.1	2,386	+7.8

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES—Continued

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Public utilities					Hotels				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent or change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama.....	123	1,940	-1.3	\$40,702	-3.5	30	1,225	+0.9	\$10,112	-3.2
Arkansas.....	49	1,145	-1.8	27,886	-9	17	809	-1.3	3,895	+8
Arizona.....	61	1,270	-4.6	31,897	-10.1	12	294	-1.7	4,406	-8
California.....	47	48,106	-8	1,316,797	-4.9	274	11,874	-3.4	179,394	-6.9
Colorado.....	196	5,524	-1.6	140,168	-3.1	32	1,083	-6.6	17,289	-7.0
Connecticut.....	145	10,043	-4	313,624	+1.2	32	1,084	+1.5	14,057	+2
Delaware.....	28	1,146	+3.0	33,570	+12.6	6	244	-2.0	2,813	-3.8
District of Columbia.....	22	8,350	+8	235,112	-4.0	51	3,524	-3	51,065	-5
Florida.....	185	4,226	+6	109,177	-1.1	36	707	+5.5	7,752	+5.1
Georgia.....	186	6,821	+2	183,343	-5.0	34	1,493	+2.3	12,528	+3.7
Idaho.....	55	667	-3.6	13,210	+8	16	248	-2.0	3,428	-2.3
Illinois.....	61	67,187	-5	1,882,115	-1.3	12	7,736	-2.1	124,505	+2.8
Indiana.....	149	10,163	+1.5	231,532	-6.5	61	2,772	-3.0	31,287	+5.0
Iowa.....	430	10,171	+3	223,526	-3.1	52	2,096	+5.8	21,005	+2.4
Kansas.....	26	7,084	+1.6	166,266	+2	36	632	+1.6	7,552	+3.4
Kentucky.....	304	7,099	(*)	164,827	-2.1	38	1,772	+4.5	18,890	+4.9
Louisiana.....	154	4,347	-2.6	99,823	-6.4	24	1,847	+3.0	20,936	+1.1
Maine.....	171	2,963	+2.8	80,288	-7	33	1,399	-24.1	17,622	-27.1
Maryland.....	83	12,532	-1	368,441	-4	26	1,395	+2.7	13,673	+4.4
Massachusetts.....	158	48,203	+1.0	1,305,363	-3	105	5,433	-6.5	77,867	-4.5
Michigan.....	411	22,575	-2.5	664,237	+1.4	79	4,313	-2.5	54,876	-2.3
Minnesota.....	233	13,150	-4	336,575	-4.8	59	2,755	-2.7	34,413	-1.5
Mississippi.....	210	2,092	-3.8	39,265	-6.7	20	566	-5.7	4,624	-6.6
Missouri.....	222	22,016	-1.0	573,513	-4.6	80	4,303	+2.6	50,117	+1.9
Montana.....	111	1,852	-2.7	51,207	-8.0	17	281	+4.1	4,080	-1
Nebraska.....	299	5,848	+4	147,029	-5.0	32	1,522	-9	16,931	+9.9
Nevada.....	39	365	-3.2	10,140	-5.0	12	1,195	-2.0	3,522	-7.5
New Hampshire.....	143	2,155	+1.1	58,351	-2.2	27	1,440	+4.2	17,219	+1.7
New Jersey.....	280	23,218	-6	684,799	-1.2	99	5,924	-8.6	75,785	-10.5
New Mexico.....	55	598	+9.3	12,377	+1.5	16	311	-1.3	3,371	+1.4
New York.....	904	108,559	-1.1	3,317,559	-2.1	283	31,014	+2.2	485,088	+2.8
North Carolina.....	96	1,805	-2	36,385	-5.0	35	1,238	-4.8	11,749	+2.2
North Dakota.....	170	1,243	-2.9	29,479	-9.9	17	322	-3.6	3,533	-5.1
Ohio.....	493	34,039	-1.4	855,481	-3.3	170	9,418	+1	122,056	+1.7
Oklahoma.....	247	6,271	-4	137,612	-3.7	41	772	-2.6	7,327	-2.5
Oregon.....	187	5,839	+4	146,763	-2.6	37	1,062	-1.0	14,911	-2.7
Pennsylvania.....	705	61,059	-2	1,649,083	-3.1	196	10,136	+3	129,866	+2.2
Rhode Island.....	35	3,521	+1.1	99,422	-4.3	25	509	-26.2	6,603	-18.7
South Carolina.....	71	1,694	+5	35,333	-3.3	17	405	+3.8	2,565	-7.7
South Dakota.....	128	979	-3.3	25,085	-7.4	14	310	-6	3,775	+2.6
Tennessee.....	254	4,992	-6	108,752	-4.4	40	2,107	-1.0	18,644	-6.0
Texas.....	133	6,790	-9	185,611	-2.3	55	3,661	-1	44,090	-1.1
Utah.....	69	1,867	+1.6	37,193	-4.0	11	356	-8	4,808	+3.7
Vermont.....	121	979	-2.0	23,747	-5	20	702	-9.1	7,641	-9.8
Virginia.....	179	5,883	-1.2	141,174	-4.7	37	2,057	+3.4	22,857	+8
Washington.....	205	9,849	-3.4	266,304	-4.8	58	2,055	-6	25,177	-1.1
West Virginia.....	133	6,118	-1	155,151	-3.7	42	1,141	-8	12,860	-4
Wisconsin.....	142	11,184	+2	303,442	-1.8	45	1,292	-1.1	(12)	-
Wyoming.....	48	440	+7	10,626	-4.1	12	186	-3.1	2,907	-2

* Less than one-tenth of 1 per cent.

¹² Includes restaurants.

¹³ Includes steam railroads.

¹⁴ Includes railways and express.

¹⁵ Data not supplied.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN AUGUST AND SEPTEMBER, 1932, BY STATES—Continued

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

State	Laundries					Dyeing and cleaning				
	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change	Number of establishments	Number on pay roll September, 1932	Per cent of change	Amount of pay roll (1 week) September, 1932	Per cent of change
Alabama.....	5	493	-4	\$4,208	-2.8	4	194	-1.0	\$1,879	-1.7
Arkansas.....	19	500	-1.5	4,908	-4.2					
Arizona.....	10	393	-3	5,793	-1.5					
California.....	(16) 75	5,760	(9)	107,924	-9					
Colorado.....	11	862	+5	12,522	-2.0	9	142	+7.6	2,737	+6.9
Connecticut.....	28	1,351	+3	22,488	-4.1	12	291	+1.7	6,494	+3.5
Delaware.....	4	317	+6	4,882	+1.3	3	36	(11)	622	+7.2
District of Columbia.....	20	2,680	-1.7	42,195	-3.6	6	133	+2.3	2,754	+2.6
Florida.....	8	381	-3.3	3,838	-2.1	3	33	+3.1	408	-8.1
Georgia.....	12	664	-1.2	6,306	-2.7	3	127	+5.8	1,439	+6.8
Idaho.....										
Illinois.....	(16) 21	1,338	-4	19,676	-2.5					
Indiana.....	19	1,534	-2.7	20,215	-2.3	9	181	+13.1	3,115	+15.0
Iowa.....	3	218	-5	3,438	-7					
Kansas.....	(16) 33	814	-2	10,047	-2.0					
Kentucky.....	15	742	-1.1	9,403	-4.0	5	229	+2.2	3,551	+6.8
Louisiana.....										
Maine.....	20	498	-5.0	7,445	-10.2					
Maryland.....	24	1,884	-9	28,343	-1.8	11	452	+18.6	6,972	+39.4
Massachusetts.....	105	5,696	+2.4	62,455	+1.5	121	2,017	+4.9	56,995	+4.7
Michigan.....	24	1,676	-2.1	21,584	-9.4	16	610	+8.5	11,059	+15.9
Minnesota.....	16	823	-2.5	13,733	-1.8	10	275	+6.6	5,054	+7.9
Mississippi.....	5	304	-2.9	2,648	-7.2					
Missouri.....	35	2,478	-1.5	35,092	-3.2	13	405	+6.6	7,290	+18.2
Montana.....	13	307	-1.3	5,655	-2.3	3	23	(11)	466	-4
Nebraska.....	7	500	+6.6	7,400	+5.6	4	65	+1.6	1,325	+7.5
Nevada.....	4	58	-1.7	1,273	-6.7					
New Hampshire.....	17	349	-2.8	5,392	-4.0					
New Jersey.....	27	3,103	-2.2	64,188	-1.7	8	281	+2.6	7,850	+1.9
New Mexico.....	6	255	-8	3,872	-3					
New York.....	69	6,970	+2.8	122,927	+3.0	19	595	+4.6	12,873	+7.5
North Carolina.....	11	708	-6	7,442	-3.0					
North Dakota.....	9	221	-4.3	3,883	-4.6					
Ohio.....	88	4,658	-1.4	71,331	-2.6	48	1,653	+1.8	29,121	+8.9
Oklahoma.....	10	667	+8	8,642	+4.2	4	169	-1.7	2,270	-8.2
Oregon.....	4	323	+9	5,218	+4.0	3	42	+5.0	912	+1.4
Pennsylvania.....	47	3,356	+8	50,713	-6	23	1,170	+1.5	21,168	+9.1
Rhode Island.....	19	1,104	+8	18,872	-2.1	5	299	+6.4	5,812	+6.5
South Carolina.....	8	334	+1.2	3,200	-2.0	3	37	-5.1	507	-6.1
South Dakota.....	7	144	-2.7	2,072	-4.1					
Tennessee.....	13	890	-3.2	7,965	-7.7	3	34	+6.3	479	-1.4
Texas.....	26	1,544	-8	18,369	-3.8	16	380	+3.0	6,435	+5.6
Utah.....	6	505	+1.8	6,877	(9)	8	138	+9.5	2,511	+10.9
Vermont.....	6	92	+3.4	1,146	+2.3	3	26	(11)	498	+1.6
Virginia.....	15	979	-6	11,452	-2.2	24	325	-1.2	5,046	-6
Washington.....	15	713	-12.7	13,486	-4.1	13	205	-1.9	3,795	+3.1
West Virginia.....	19	686	(11)	9,416	(9)	11	230	-5.7	3,178	-3.8
Wisconsin.....	(16) 23	1,035	+2.8	14,818	+3.4	4	206	+15.2	3,453	+14.8
Wyoming.....	4	86	+3.6	1,519	-9					

⁹ Less than one-tenth of 1 per cent.

¹¹ No change.

¹² Includes dyeing and cleaning.

Employment and Pay-Roll Totals in September, 1932, in Cities of Over 500,000 Population

IN THE following table are presented the fluctuations in employment and pay-roll totals in September, 1932, as compared with August, 1932, in 13 cities of the United States having a population of 500,000 or over. These changes are computed from reports received from identical establishments in each of the months considered.

In addition to including reports received from establishments in the several industrial groups regularly covered in the bureau's survey, excluding building construction, reports have also been secured from financial institutions, insurance offices, and other establishments in these cities for inclusion in these totals. Information concerning employment in building construction is not available for all cities at this time and therefore has not been included.

FLUCTUATIONS IN EMPLOYMENT AND PAY ROLLS IN SEPTEMBER, 1932, AS COMPARED WITH AUGUST, 1932

Cities	Number of establishments reporting in both months	Number on pay roll		Per cent of change	Amount of pay roll (1 week)		Per cent of change
		August, 1932	September, 1932		August, 1932	September, 1932	
New York City.....	2,035	283,625	298,528	+5.3	\$7,807,852	\$8,241,931	+5.6
Chicago, Ill.....	1,856	198,846	194,770	-2.0	4,627,989	4,536,322	-2.0
Philadelphia, Pa.....	660	114,409	117,141	+2.4	2,438,627	2,548,319	+4.5
Detroit, Mich.....	746	181,054	163,211	-9.9	3,830,071	2,599,504	-32.1
Los Angeles, Calif.....	695	52,566	53,453	+1.7	1,251,325	1,237,457	-1.1
Cleveland, Ohio.....	1,051	74,709	78,964	+5.7	1,498,028	1,599,526	+6.8
St. Louis, Mo.....	492	61,496	62,291	+1.3	1,300,712	1,305,725	+0.4
Baltimore, Md.....	551	44,519	45,599	+2.4	883,096	907,558	+2.8
Boston, Mass.....	2,939	79,950	82,576	+3.3	1,954,169	2,012,484	+3.0
Pittsburgh, Pa.....	331	45,281	46,319	+2.3	878,005	876,606	-0.2
San Francisco, Calif.....	1,089	43,804	44,347	+1.2	1,082,161	1,058,454	-2.2
Buffalo, N. Y.....	277	34,214	35,105	+2.6	768,603	780,814	+1.6
Milwaukee, Wis.....	471	33,813	34,951	+3.4	649,220	665,694	+2.5

Employment in Building Construction in September, 1932

EMPLOYMENT in the building construction industry decreased 2.2 per cent in September as compared with August and earnings decreased 2.9 per cent. These figures are based on pay-roll reports received from 10,408 firms engaged on building operations in 34 States and the District of Columbia.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, AUGUST AND SEPTEMBER, 1932

Locality	Number of firms reporting	Number on pay roll		Per cent of change	Amount of pay roll		Per cent of change
		Aug. 15	Sept. 15		Aug. 15	Sept. 15	
Alabama, Birmingham.....	72	469	462	-1.5	\$6,659	\$5,989	-10.1
California:							
Los Angeles ¹	27	1,764	1,304	-26.1	36,601	24,774	-32.3
San Francisco-Oakland ¹	30	781	783	+0.3	17,303	16,249	-6.1
Other reporting localities ¹	20	492	403	-18.1	11,635	8,449	-27.4
Colorado, Denver.....	190	652	626	-4.0	13,454	13,760	+2.3
Connecticut:							
Bridgeport.....	127	504	523	+3.8	12,783	12,065	-5.6
Hartford.....	224	1,150	938	-16.3	32,558	26,342	-19.1
New Haven.....	186	1,411	1,373	-2.7	40,391	37,604	-6.9
Delaware, Wilmington.....	119	1,361	1,250	-8.0	28,819	26,001	-12.8
District of Columbia.....	547	6,233	6,652	+6.7	169,560	187,410	+10.5

¹ Data supplied by cooperating State bureaus.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, AUGUST AND SEPTEMBER, 1932—
Continued

Locality	Number of firms reporting	Number on pay roll		Per cent of change	Amount of pay roll		Per cent of change
		Aug. 15	Sept. 15		Aug. 15	Sept. 15	
Florida:							
Jacksonville.....	49	310	272	-12.3	5,081	3,693	-27.3
Miami.....	82	593	670	+10.4	10,751	13,183	+22.6
Georgia, Atlanta.....	119	1,382	1,310	-5.2	18,786	18,697	-0.5
Illinois:							
Chicago ¹	136	1,070	1,314	+22.8	37,054	40,757	+10.0
Other reporting localities ¹	72	680	486	-28.5	19,889	12,546	-36.9
Indiana:							
Evansville.....	39	220	239	+8.6	4,461	4,648	+4.2
Fort Wayne.....	114	566	543	-4.1	11,938	11,027	-7.6
Indianapolis.....	165	1,193	1,049	-12.1	28,652	24,701	-13.8
South Bend.....	44	197	239	+21.3	3,952	4,585	+16.0
Iowa, Des Moines.....	106	534	814	+52.4	9,863	16,522	+67.5
Kansas, Wichita.....	64	443	505	+14.0	8,339	9,952	+19.3
Kentucky, Louisville.....	131	848	878	+3.5	16,233	17,138	+5.6
Louisiana, New Orleans.....	130	1,941	2,014	+3.8	29,499	33,105	+12.2
Maine, Portland.....	100	493	469	-4.9	11,020	11,255	+2.1
Maryland, Baltimore ¹	118	1,282	1,271	-0.9	22,820	24,470	+7.2
Massachusetts, all reporting localities ¹	738	6,011	5,909	-1.7	165,564	175,925	+6.3
Michigan:							
Detroit.....	425	2,853	2,986	+4.7	61,150	67,082	+9.7
Flint.....	37	144	138	-4.2	2,445	2,421	-1.0
Grand Rapids.....	109	604	679	+12.4	12,364	15,019	+21.5
Minnesota:							
Duluth.....	55	264	391	+48.2	4,836	6,317	+30.6
Minneapolis.....	228	1,671	1,750	+4.7	38,006	38,957	+2.5
St. Paul.....	144	1,167	921	-21.1	28,405	22,445	-21.0
Missouri:							
Kansas City ²	260	1,799	1,499	-16.7	46,460	35,607	-23.4
St. Louis.....	441	2,539	2,506	-1.3	67,324	67,757	+0.6
Nebraska, Omaha.....	135	799	794	-0.6	17,342	17,435	+0.5
New York:							
New York City ¹	348	10,920	10,493	-3.9	447,296	413,158	-7.6
Other reporting localities ¹	174	4,096	3,913	-4.5	120,082	113,751	-5.3
North Carolina, Charlotte.....	36	238	230	-3.4	2,817	2,871	+1.9
Ohio:							
Akron.....	83	287	282	-1.7	5,508	5,182	-5.9
Cincinnati ³	506	2,978	2,644	-11.2	79,970	70,285	-12.1
Cleveland.....	480	2,281	2,458	+7.8	62,234	64,696	+3.0
Dayton.....	122	358	411	+14.8	7,807	8,933	+14.4
Youngstown.....	64	284	259	-8.8	5,542	4,915	-11.3
Oklahoma:							
Oklahoma City.....	96	444	461	+3.8	7,281	7,993	+9.8
Tulsa.....	51	233	146	-37.3	3,556	2,244	-37.4
Oregon, Portland.....	190	1,290	1,077	-16.5	27,808	22,695	-18.4
Pennsylvania:							
Erie ¹	29	202	213	+5.4	4,868	4,803	-1.3
Philadelphia ¹	451	4,152	3,984	-4.0	96,887	90,680	-6.4
Pittsburgh ¹	228	1,130	1,239	+9.6	30,485	28,590	-6.2
Reading-Lebanon ¹	48	388	381	-1.8	7,204	7,727	+7.3
Scranton ¹	28	151	153	+1.3	3,648	3,224	-11.6
Other reporting localities ¹	288	2,409	2,545	+5.6	52,303	56,503	+8.0
Rhode Island, Providence.....	225	1,505	1,570	+4.3	36,488	39,707	+8.8
Tennessee:							
Chattanooga.....	23	206	202	-1.9	2,420	3,196	+32.1
Knoxville.....	44	538	493	-8.4	7,572	6,438	-15.0
Memphis.....	91	476	477	+0.2	8,399	9,078	+8.1
Nashville.....	76	649	669	+3.1	11,545	11,055	-4.2
Texas:							
Dallas.....	150	895	875	-2.2	15,048	14,434	-4.1
El Paso.....	21	162	104	-35.8	3,153	1,241	-60.6
Houston.....	132	727	654	-10.0	12,885	12,321	-4.4
San Antonio.....	108	799	646	-19.1	12,970	10,056	-22.5
Utah, Salt Lake City.....	83	316	401	+26.9	5,755	7,495	+30.2
Virginia:							
Norfolk-Portsmouth.....	89	513	488	-4.9	9,449	9,218	-2.4
Richmond.....	149	1,044	936	-10.3	21,570	18,745	-13.1
Washington:							
Seattle.....	176	976	905	-7.3	19,923	20,338	+2.1
Spokane.....	48	252	166	-34.1	4,798	3,363	-29.9
Tacoma.....	79	143	148	+3.5	2,328	2,628	+12.9
West Virginia, Wheeling.....	48	166	170	+2.4	3,416	3,692	+8.1
Wisconsin, all reporting localities ¹	61	1,635	1,589	-2.8	34,298	31,694	-7.6
Total, all localities.....	10,408	87,293	85,392	-2.2	2,230,320	2,166,216	-2.9

¹ Data supplied by cooperating State bureaus.

² Includes both Kansas City, Mo., and Kansas City, Kans.

³ Includes Covington and Newport, Ky.

Employment on Class I Steam Railroads in the United States

DATA are not yet available concerning railroad employment for September, 1932. Reports of the Interstate Commerce Commission for Class I railroads show that the number of employees (exclusive of executives and officials) decreased from 1,008,608 on July 15, 1932, to 983,112 on August 15, 1932, or 2.5 per cent; the amount of pay roll increased from \$114,801,532 in July to \$114,850,526 in August, or less than one-tenth of 1 per cent.

The monthly trend of employment from January, 1923, to August, 1932, on Class I railroads—that is, all roads having operating revenues of \$1,000,000 or over—is shown by the index numbers published in the following table. These index numbers are constructed from monthly reports of the Interstate Commerce Commission, using the 12-month average for 1926 as 100.

TABLE 1.—INDEX OF EMPLOYMENT ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY, 1923, TO AUGUST, 1932

[12-month average, 1926=100]

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
January.....	98.3	96.9	95.6	95.8	95.5	89.3	88.2	86.3	73.7	61.2
February.....	98.6	97.0	95.4	96.0	95.3	89.0	88.9	85.4	72.7	60.3
March.....	100.5	97.4	95.2	96.7	95.8	89.9	90.1	85.5	72.9	60.5
April.....	102.0	98.9	96.6	98.9	97.4	91.7	92.2	87.0	73.5	60.0
May.....	105.0	99.2	97.8	100.2	99.4	94.5	94.9	88.6	73.9	59.7
June.....	107.1	98.0	98.6	101.6	100.9	95.9	96.1	86.5	72.8	57.8
July.....	108.2	98.1	99.4	102.9	101.0	95.6	96.6	84.7	72.4	56.4
August.....	109.4	99.0	99.7	102.7	99.5	95.7	97.4	83.7	71.2	55.0
September.....	107.8	99.7	99.9	102.8	99.1	95.3	96.8	82.2	69.3	-----
October.....	107.3	100.8	100.7	103.4	98.9	95.3	96.9	80.4	67.7	-----
November.....	105.2	99.0	99.1	101.2	95.7	92.9	93.0	77.0	64.5	-----
December.....	99.4	96.0	97.1	98.2	91.9	80.7	88.8	74.9	62.6	-----
Average.....	104.1	98.3	97.9	100.0	97.5	92.9	93.3	83.5	70.6	¹ 68.9

¹ Average for 8 months.

Wage-Rate Changes in American Industries

Manufacturing Industries

DATA concerning wage-rate changes occurring between August 15 and September 15 in 89 manufacturing industries included in the monthly trend-of-employment survey of the Bureau of Labor Statistics are presented in the following table.

Of the 18,165 manufacturing establishments furnishing employment data in September, 17,869 establishments, or 98.4 per cent of the total, reported no change in wage rates during the month ending September 15, 1932. The employees whose wage rates were reported unchanged over the month interval totaled 2,572,009, comprising 98.1 per cent of the total number of employees included in this survey of manufacturing industries.

Decreases in rates of wages were reported by 277 establishments, or 1.5 per cent of the total number of establishments reporting. These decreases, averaging 10.4 per cent, affected 45,091 employees or 1.7 per cent of all employees in the establishments reporting.

Nineteen establishments in five industries reported wage-rate increases averaging 9.7 per cent and affecting 3,767 employees.

**TABLE L.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH
ENDING SEPTEMBER 15, 1932**

Industry	Estab- lish- ments report- ing	Total number of em- ployees	Number of establish- ments reporting—			Number of employees having—		
			No wage changes	Wage in- creases	Wage de- creases	No wage changes	Wage in- creases	Wage de- creases
All manufacturing industries.....	18,165	2,620,867	17,869	19	277	2,872,009	3,767	45,091
Per cent of total.....	100.0	100.0	98.4	0.1	1.5	98.1	0.1	1.7
Slaughtering and meat packing.....	229	83,413	224	—	5	83,161	—	252
Confectionery.....	326	39,576	323	—	3	39,443	—	133
Ice cream.....	405	13,031	399	—	6	12,877	—	154
Flour.....	439	16,342	434	—	5	16,151	—	191
Baking.....	976	63,152	973	—	3	63,086	—	66
Sugar refining, cane.....	15	8,226	15	—	—	8,226	—	—
Beet sugar.....	59	5,404	49	—	10	4,819	—	585
Beverages.....	342	10,602	334	—	8	10,267	—	335
Butter.....	328	6,204	322	—	6	6,102	—	102
Cotton goods.....	694	226,089	672	4	18	218,063	989	7,037
Hosiery and knit goods.....	445	101,351	432	9	4	98,800	2,354	197
Silk goods.....	247	45,738	243	2	2	45,163	320	255
Woolen and worsted goods.....	253	59,013	250	—	3	58,245	—	768
Carpets and rugs.....	30	12,281	30	—	—	12,281	—	—
Dyeing and finishing textiles.....	148	33,857	143	—	5	32,756	—	1,101
Clothing, men's.....	358	61,108	352	1	5	60,338	12	758
Shirts and collars.....	109	13,791	105	—	4	13,285	—	506
Clothing, women's.....	363	25,040	360	—	3	24,771	—	269
Millinery.....	128	9,686	127	—	1	9,461	—	225
Corsets and allied garments.....	32	5,403	31	—	1	5,397	—	6
Cotton small wares.....	114	8,814	113	—	1	8,801	—	13
Hats, fur-felt.....	38	6,146	38	—	—	6,146	—	—
Men's furnishings.....	73	5,430	73	—	—	5,430	—	—
Iron and steel.....	214	169,518	211	—	3	167,923	—	1,595
Cast-iron pipe.....	40	5,261	40	—	—	5,261	—	—
Structural and ornamental iron- work.....	189	14,700	186	—	3	13,433	—	1,267
Hardware.....	110	20,374	104	—	6	19,816	—	558
Steam fittings and steam and hot- water heating apparatus.....	102	13,870	100	—	2	13,713	—	157
Stoves.....	157	16,540	155	—	2	16,403	—	137
Bolts, nuts, washers, and rivets.....	67	8,230	67	—	—	8,230	—	—
Cutlery (not including silver and plated cutlery) and edge tools.....	129	8,945	128	—	1	8,928	—	17
Forgings, iron and steel.....	90	4,855	59	—	3	4,944	—	9
Plumbers' supplies.....	72	5,339	69	—	3	5,745	—	94
Tin cans and other tinware.....	59	9,302	58	—	1	9,263	—	39
Tools (not including edge tools, machine tools, files, or saws).....	130	6,581	128	—	2	6,541	—	40
Wirework.....	70	5,256	70	—	—	5,256	—	—
Lumber:								
Sawmills.....	620	57,731	616	—	4	57,262	—	469
Millwork.....	464	16,885	459	—	5	16,418	—	467
Furniture.....	479	43,557	466	—	13	42,563	—	994
Turpentine and rosin.....	22	1,019	22	—	—	1,019	—	—
Leather.....	166	23,897	161	—	5	23,239	—	658
Boots and shoes.....	327	103,126	320	—	7	102,317	—	809
Paper and pulp.....	400	78,409	392	—	8	75,954	—	2,455
Paper boxes.....	310	19,781	307	—	3	19,628	—	153
Printing:								
Book and job.....	756	48,529	742	—	14	48,024	—	505
Newspaper and periodicals.....	469	68,392	463	—	6	67,974	—	418
Chemicals.....	116	19,740	116	—	—	19,740	—	—
Fertilizers.....	206	5,925	204	—	2	5,832	—	93
Petroleum refining.....	120	46,555	120	—	—	46,555	—	—
Cottonseed, oil, cake, and meal.....	52	2,546	52	—	—	2,546	—	—
Druggists preparations.....	41	7,313	39	—	2	7,214	—	99
Explosives.....	24	2,867	24	—	—	2,867	—	—
Paints and varnishes.....	362	14,835	360	—	2	14,797	—	38
Rayon.....	22	25,405	21	—	1	25,005	—	400
Soap.....	89	12,218	89	—	—	12,218	—	—
Cement.....	125	14,294	125	—	—	14,294	—	—
Brick, tile, and terra cotta.....	684	19,705	674	3	7	19,390	92	223
Pottery.....	123	13,537	115	—	8	11,753	—	1,784
Glass.....	196	32,332	183	—	13	30,599	—	1,733
Marble, granite, slate, and other stone products.....	220	6,017	219	—	1	5,973	—	44
Stamped and enameled ware.....	89	12,746	89	—	—	12,746	—	—
Brass, bronze and copper pro- ducts.....	203	26,212	195	—	8	25,876	—	336
Aluminum manufactures.....	26	4,875	26	—	—	4,875	—	—
Clocks, time recording devices, and clock movements.....	23	3,806	22	—	1	3,752	—	54

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING SEPTEMBER 15, 1932—Continued

Industry	Establishments reporting	Total number of employees	Number of establishments reporting			Number of employees having—		
			No wage changes	Wage increases	Wage decreases	No wage changes	Wage increases	Wage decreases
Gas and electric fixtures, lamps, lanterns, and reflectors.....	53	4, 620	51	-----	2	4, 568	-----	52
Plated ware.....	54	7, 326	54	-----	-----	7, 326	-----	-----
Smelting and refining—copper, lead, and zinc.....	28	7, 292	28	-----	-----	7, 292	-----	-----
Jewelry.....	147	8, 690	145	-----	2	8, 565	-----	125
Chewing and smoking tobacco and snuff.....	32	9, 941	32	-----	-----	9, 941	-----	-----
Cigars and cigarettes.....	210	45, 570	207	-----	3	44, 854	-----	716
Automobiles.....	243	176, 016	238	-----	5	174, 235	-----	1, 781
Aircraft.....	30	5, 210	29	-----	1	5, 112	-----	98
Cars, electric and steam railroad.....	39	5, 270	39	-----	-----	5, 270	-----	-----
Locomotives.....	11	2, 186	11	-----	-----	2, 186	-----	-----
Shipbuilding.....	93	26, 018	93	-----	-----	26, 018	-----	-----
Rubber tires and inner tubes.....	44	43, 199	43	-----	1	33, 001	-----	10, 198
Rubber boots and shoes.....	9	9, 097	9	-----	-----	9, 097	-----	-----
Rubber goods, other than boots, shoes, tires, and inner tubes.....	97	17, 892	96	-----	1	17, 817	-----	75
Agricultural implements.....	78	5, 369	76	-----	2	5, 217	-----	152
Electrical machinery, apparatus, and supplies.....	294	107, 471	290	-----	4	107, 359	-----	112
Engines, turbines, tractors, and water wheels.....	88	15, 111	88	-----	-----	15, 111	-----	-----
Cass registers, adding machines and calculating machines.....	45	13, 171	43	-----	2	13, 064	-----	107
Foundry and machine-shop products.....	1, 095	97, 929	1, 079	-----	16	95, 988	-----	1, 941
Machine tools.....	154	10, 484	150	-----	4	10, 008	-----	476
Textile machinery and parts.....	41	6, 265	41	-----	-----	6, 265	-----	-----
Typewriters and supplies.....	18	8, 639	18	-----	-----	8, 639	-----	-----
Radio.....	42	17, 621	41	-----	1	17, 393	-----	228
Electric, railroad, repair shops.....	399	20, 938	393	-----	6	20, 506	-----	432
Steam, railroad repair shops.....	537	69, 222	537	-----	-----	69, 222	-----	-----

Nonmanufacturing Industries

IN THE following table are presented data concerning wage-rate changes occurring between August 15 and September 15, 1932, reported by firms in 14 nonmanufacturing groups included in the bureau's monthly employment survey.

No changes in wage-rates over the month interval were reported by firms in the anthracite mining group. In each of the remaining 13 groups a number of establishments reported decreases in wage rates. In eight of these groups (electric railroads, wholesale trade, power and light, laundries, telephone and telegraph, dyeing and cleaning, crude petroleum producing, and hotels) the average per cent of decrease in wage-rates ranged from 7.9 per cent to 11.3 per cent. The average per cent of decrease reported in the remaining groups was: 13.0 per cent in retail trade; 16.4 per cent in quarrying and nonmetallic mining; 16.6 per cent in canning and preserving; 20.7 per cent in bituminous coal mining; and 33.3 per cent in metalliferous mining. An increase in wage-rates from August to September averaging 10 per cent was reported by one establishment in the retail trade group.

TABLE 2.—WAGE CHANGES IN NONMANUFACTURING INDUSTRIES DURING MONTH ENDING SEPTEMBER 15, 1932

Industrial group	Estab- lish- ments report- ing	Total number of em- ployees	Number of establish- ments reporting—			Number of employees having—		
			No wage changes	Wage in- creases	Wage de- creases	No wage changes	Wage in- creases	Wage de- creases
Anthracite mining.....	160	73,361	160			76,361		
Per cent of total.....	100.0	100.0	100.0			100.0		
Bituminous coal mining.....	1,136	154,296	1,112		24	151,976		2,320
Per cent of total.....	100.0	100.0	97.9		2.1	98.5		1.5
Metalliferous mining.....	256	18,840	255		1	18,814		26
Per cent of total.....	100.0	100.0	99.6		0.4	99.9		0.1
Quarrying and nonmetallic mining.....	642	24,436	637		5	24,301		135
Per cent of total.....	100.0	100.0	99.2		0.8	99.4		0.6
Crude petroleum producing.....	274	21,190	270		4	19,785		1,405
Per cent of total.....	100.0	100.0	98.5		1.5	93.4		6.6
Telephone and telegraph.....	8,270	274,220	8,262		8	274,142		78
Per cent of total.....	100.0	100.0	99.9		0.1	100.0		(1)
Power and light.....	3,563	217,549	3,419		144	210,695		6,854
Per cent of total.....	100.0	100.0	96.0		4.0	96.8		3.2
Electric railroad and motor bus operation and maintenance.....	499	134,347	458		41	129,108		5,239
Per cent of total.....	100.0	100.0	91.8		8.2	96.1		3.9
Wholesale trade.....	2,720	70,609	2,711		9	70,492		117
Per cent of total.....	100.0	100.0	99.7		0.3	99.8		0.2
Retail trade.....	14,233	333,978	14,087	1	145	333,750	14	214
Per cent of total.....	100.0	100.0	99.0	(1)	1.0	99.9	(1)	0.1
Hotels.....	2,500	138,610	2,576		14	138,275		335
Per cent of total.....	100.0	100.0	99.5		0.5	99.8		0.2
Canning and preserving.....	941	89,706	937		4	89,145		561
Per cent of total.....	100.0	100.0	99.6		0.4	99.4		0.6
Laundries.....	1,023	61,315	1,000		23	59,711		1,604
Per cent of total.....	100.0	100.0	97.8		2.2	97.4		2.6
Dyeing and cleaning.....	379	12,382	377		2	12,341		41
Per cent of total.....	100.0	100.0	99.5		0.5	99.7		0.3

¹ Less than one-tenth of 1 per cent.

